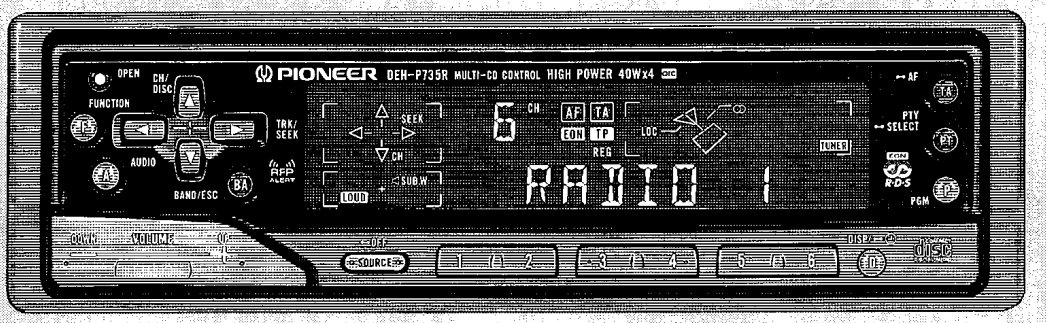
Multi-CD control High power CD player with RDS tuner

Reproductor de CD de alta potencia con control múltiple de CD y sintonizador RDS

DEH-P735R

Operation Manual
Manual de Operación



PIONEER®

The Art of Entertainment

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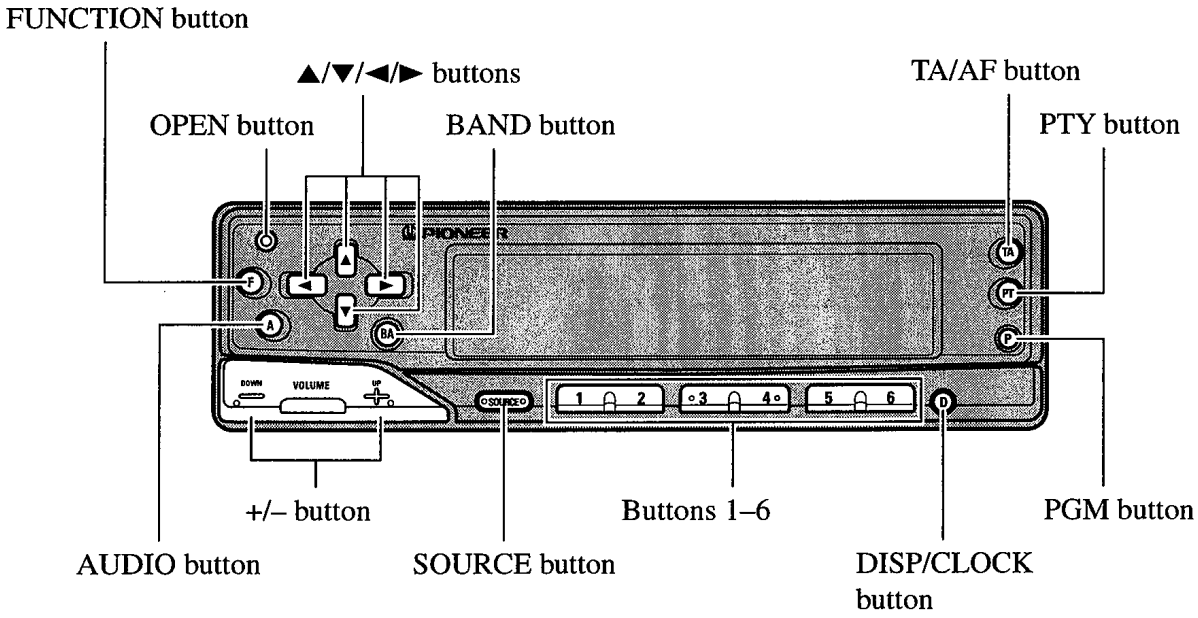
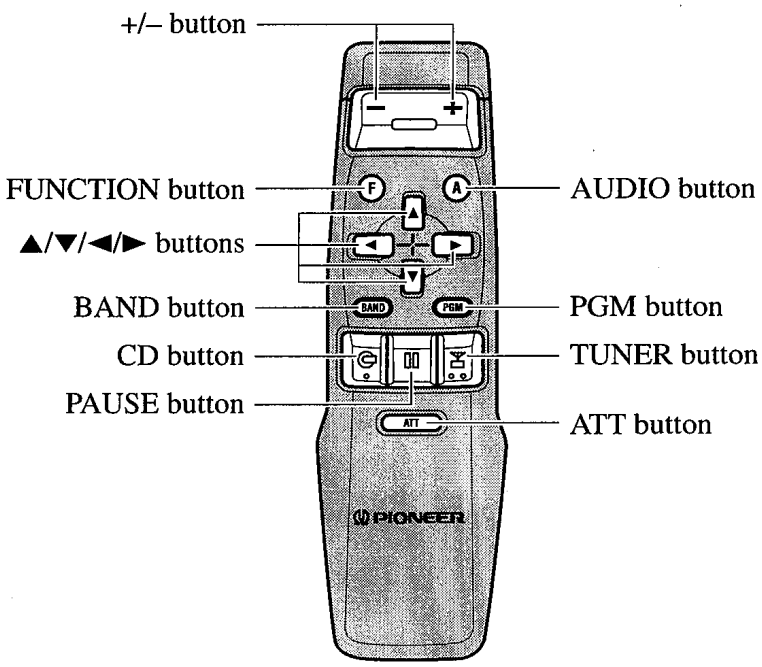
ENGLISH

■ Head Unit



■ Remote Controller



About This Product

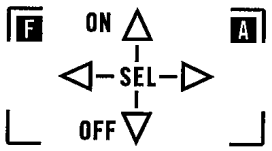
- This product complies with the EMC Directives (89/336/EEC, 92/31/EEC) and CE Marking Directive (93/68/EEC).

The tuner frequencies on this product are allocated for use in Western Europe, Asia, the Middle East, Africa and Oceania. Use in other areas may result in improper reception. The RDS function operates only in areas with FM stations broadcasting RDS signals.

This product's display features Key Guidance Indicators. These light to indicate which of the ▲/▼/◄/►, FUNCTION and AUDIO buttons you can use. When you're in the Function Menu or Audio Adjustment Menu, they also make it easy to see which ▲/▼/◄/► buttons you can use to switch functions ON/OFF, switch repeat selections, and perform other operations. Indicator and corresponding buttons are shown below.

Indicator	Button
F	FUNCTION
A	AUDIO
△	▲
▽	▼
◁◁, ◁	◄
▷▷, ▷	►

Key Guidance Indicators



Note:

- When "ON" and "OFF" are lit, you can switch the currently selected function ON/OFF with the ▲/▼ buttons.
- When "SEL" is lit, you can use the ◄/► buttons to switch selection options of the currently selected function.

About This Manual

This product features a number of sophisticated functions ensuring superior reception and operation. All are designed for the easiest possible use, but many are not self-explanatory. This operation manual is intended to help you benefit fully from their potential and to maximize your listening enjoyment.

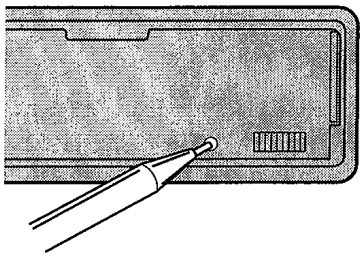
We recommend that you familiarize yourself with the functions and their operation by reading through the manual before you begin using this product. It is especially important that you read and observe the "Precaution" on next page and in other sections.

In this Operation Manual, the Basic Operation for each sound source is outlined at the beginning of its explanation, covering simple operation for that source, such as merely playing music.

Resetting the Microprocessor

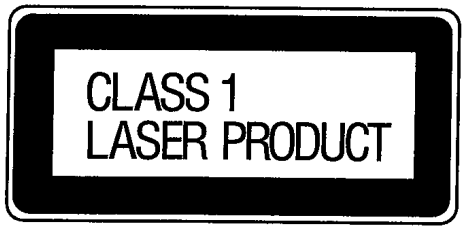
The microprocessor must be reset under the following conditions:
When using this product for the first time after installation.
When the machine fails to operate properly.
When strange (incorrect) messages appear on the display.

- **To reset the microprocessor, remove the front panel as described on page 61 and press the RESET button on the head unit with a pen tip or other pointed instrument.**



Precaution

- A "CLASS 1 LASER PRODUCT" label is affixed to the bottom of the player.



- The Pioneer CarStereo-Pass is for use only in Germany.
- Keep this manual handy as a reference for operating procedures and precautions.
- Always keep the volume low enough for outside sounds to be audible.
- Protect the product from moisture.
- If the battery is disconnected, the preset memory will be erased and must be reprogrammed.

In Case of Trouble

Should this product fail to operate properly, contact your dealer or nearest authorized Pioneer Service Station.

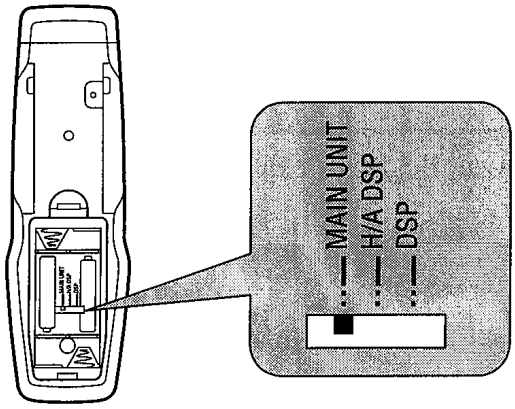
Using the Remote Controller

This product is equipped with a remote controller for convenient operation.

- Point the controller in the direction of the front panel to operate.
- When the controller is not in use, attach it firmly to the provided Mounting base.

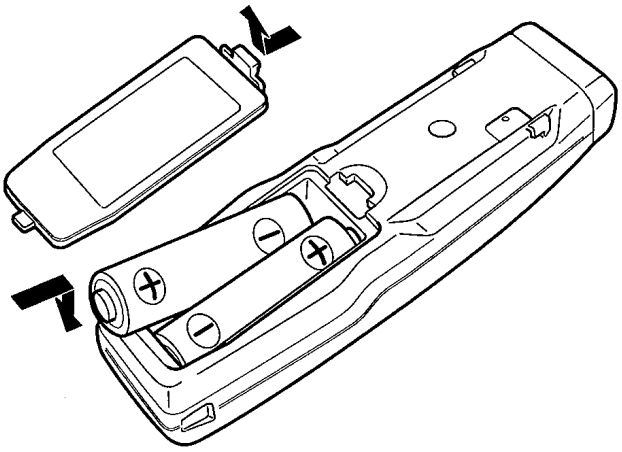
Precaution:

- Do not store the remote controller in high temperatures or direct sunlight.
- The controller may not function properly in direct sunlight.
- Do not let the remote controller fall onto the floor, where it may become jammed under the brake or accelerator pedal.
- Open the cover on the rear of the remote control, and you'll find a switch. Do not change this switch's position from the MAIN UNIT position. (Initially, the switch is set to the MAIN UNIT position.) If you change the switch setting, correct operation of this unit will not be possible.



Batteries

- **Remove the cover on the back of the remote controller and insert the batteries with the (+) and (–) poles pointing in the proper direction.**

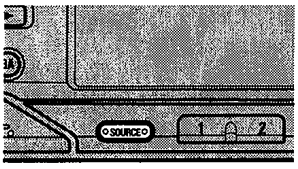


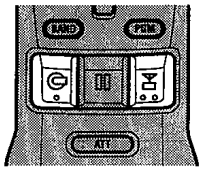
Precaution:

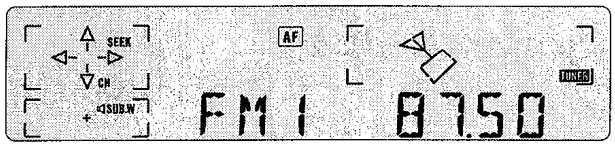
- Use only AAA or IEC R03 1.5 V batteries.
- Remove the batteries if the remote controller is not used for a month or longer.
- Do not attempt to recharge the supplied batteries.
- Do not mix new and used batteries.
- If the event of battery leakage, wipe the remote controller completely clean and install new batteries.

Switching Power ON/OFF

- **Select the desired source (such as the tuner).**







■ Head Unit

Each press of the SOURCE button selects the desired source in the following order:
Built-in CD Player → Tuner → Multi-CD player → AUX

To switch the sources OFF, hold down the SOURCE button for 1 second or more.

■ Remote Controller

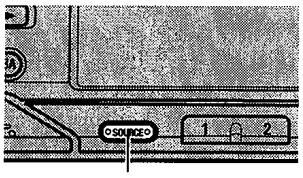
Each press of the button selects the desired source in the following order:
TUNER button : Tuner → OFF
CD button : Built-in CD Player → Multi-CD player → OFF

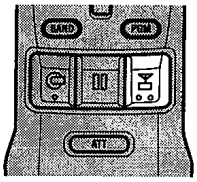
Note:

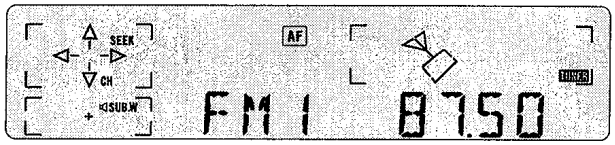
- In the following cases, the sound source will not change:
  * No Multi-CD player is connected to this product.
  * No disc is set in this product.
  * No magazine is set in the Multi-CD player.
  * AUX (external input) is set to OFF. (See page 65.)

Basic Operation of Tuner

1. Select Tuner.



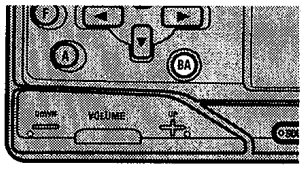


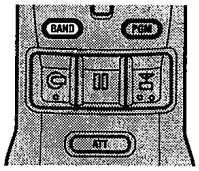


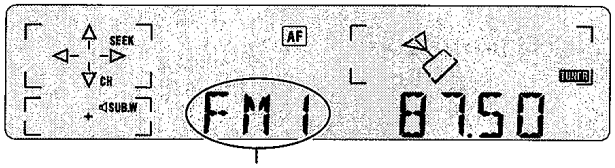
Each press
changes the Source ...

The program service name or frequency appears on the display.

2. Select the desired band.

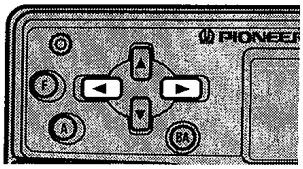


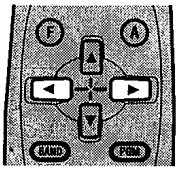


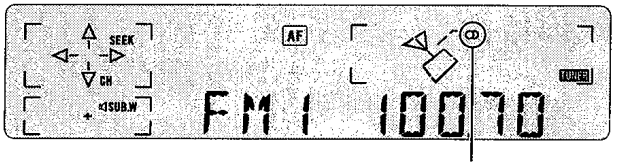


FM1 → FM2 → FM3 → MW/LW

3. Tune the receiver to a higher or lower frequency.







"◯◯"

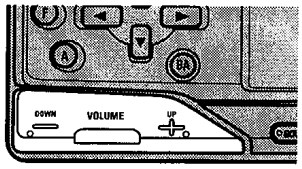
This product's tuner lets you select the tuning by changing the length of the time you press the button.

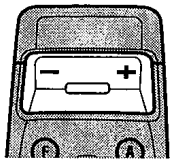
Manual Tuning (step by step)	0.3 seconds or less
Seek Tuning (automatically)	0.3 – 2 seconds
Manual Tuning (continuously)	2 seconds or more

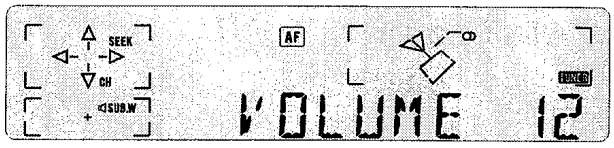
Note:

- "◯◯" indicator lights when a stereo station is selected.
- To select a weak broadcasting station that cannot be tuned in with the Seek Tuning function, tune in with Manual Tuning.

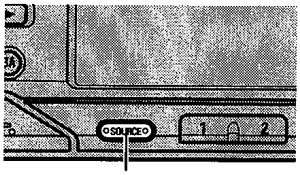
4. Raise or lower the volume.



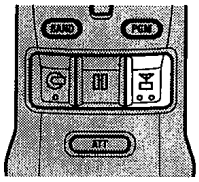


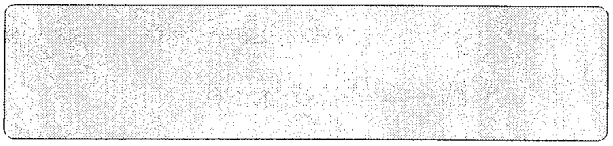


5. Turn the source OFF.



Hold for 1 second

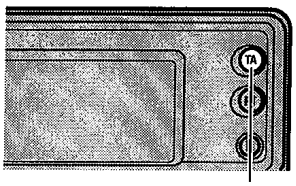




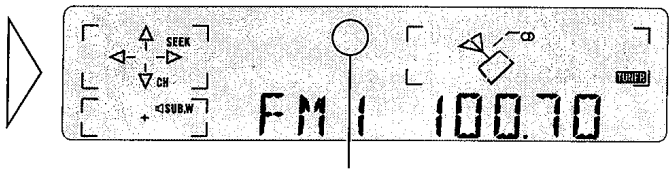
AF Function Switching

This product's AF function can be switched ON and OFF. AF should be switched OFF for normal tuning operations.

- **Switch AF OFF.**



Hold for 2 seconds



"AF" disappears

To switch AF ON, repeat the preceding operation.

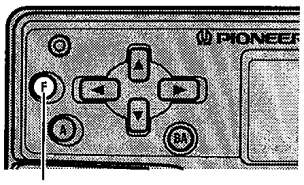
Note:

- You can also switch the AF Function ON/OFF in the Function Menu.

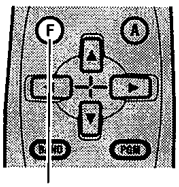
Entering the Function Menu

In this menu you can select tuner functions.

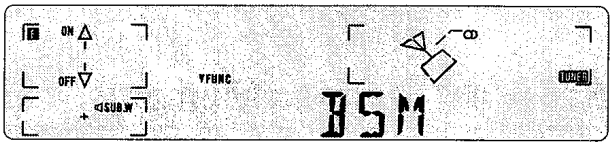
- **Select the desired mode in the Function Menu.**



Each press changes the Mode ...



Each press changes the Mode ...



Each press of the FUNCTION button selects the mode in the following order:

BSM → REG* → LOCAL → TA* → PTY SEL* → AF*

* REG, TA, PTY SEL and AF are RDS functions for FM bands. You cannot switch to these modes when selecting MW or LW band. Refer to "Using the RDS Functions" for details and instructions on how to use these functions.

To cancel the Function Menu, press the BAND button.

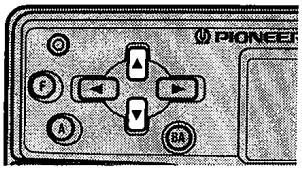
Note:

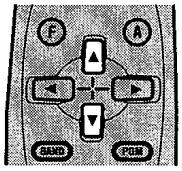
- After entering the Function Menu, if you do not perform an operation within about 30 seconds, the Function Menu is automatically canceled.

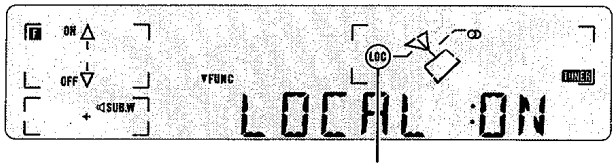
Local Seek Tuning

This mode selects only stations with especially strong signals.

1. **Select the Local mode (LOCAL) in the Function Menu.**
2. **Switch the Local mode ON or OFF.**







"LOC"

To cancel the Function Menu, press the BAND button.

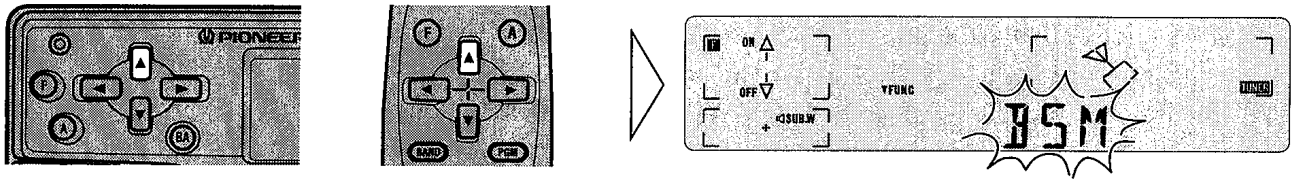
Preset Tuning

Up to 18 FM stations (6 in FM1, FM2 and FM3) and
6 MW/LW stations can be stored in memory.
Store the stations in memory under buttons 1–6 beforehand with the BSM (Best Stations Memory) or Preset Memory function.

BSM (Best Stations Memory)

The BSM function stores stations in memory automatically.

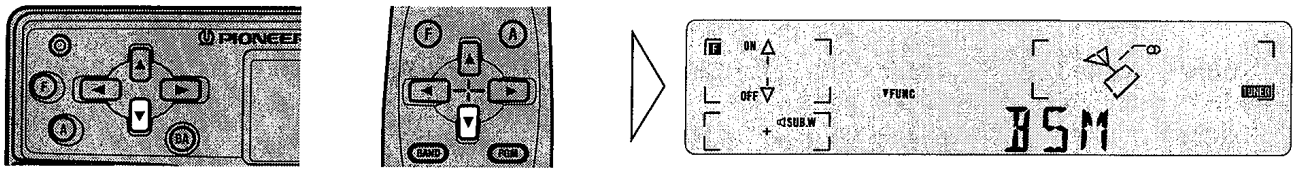
1. **Select the BSM mode (BSM) in the Function Menu.**
2. **Switch the BSM mode ON.**



The stations with the strongest signals will be stored under buttons 1–6 and in order of their signal strength.

To cancel the Function Menu, press the BAND button.

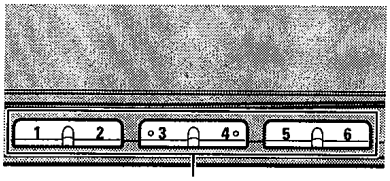
- **To cancel the process, press the ▼ button in the Function Menu before memorization is complete.**



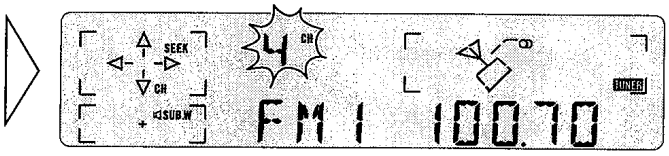
Preset Memory

The Preset Memory function stores stations in memory manually.

1. **Select the station whose frequency you want to store in memory.**
2. **Press one of buttons 1–6 for 2 seconds or longer to store the desired stations. (eg. Press button 4.)**



Hold for 2 seconds



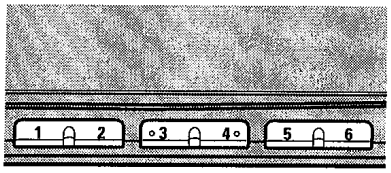
The station is stored in memory under the selected button.

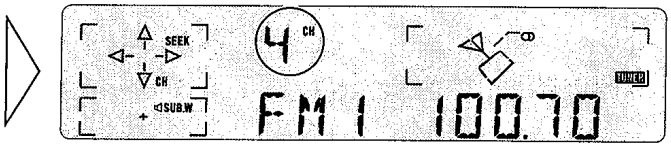
Recalling Preset Stations

There are two ways to recall preset stations.

■ Direct Recall

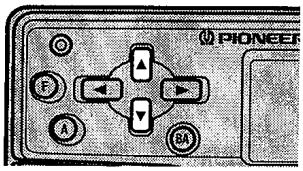
- **Press one of buttons 1–6 to recall a station preset under that button. (eg. Press button 4.)**

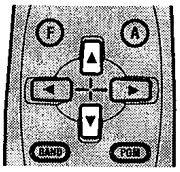


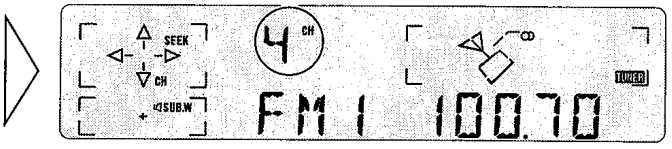


■ Sequential Recall

- **Recall a station preset under button 1–6.**





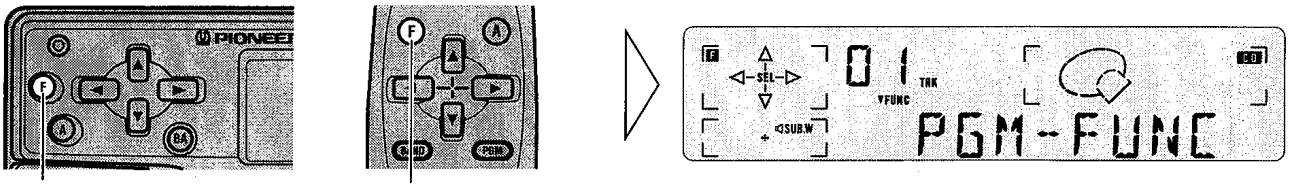


Using the PGM Button

You can memorize Function Menu BSM (BSM), REG (REG), and Local (LOCAL) functions in the PGM button.
Initially, the BSM function is memorized in the PGM button.

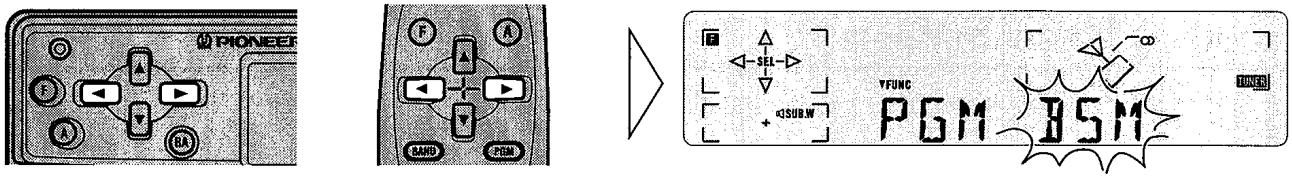
■ Setting the PGM Button

1. Select the PGM button setting mode.

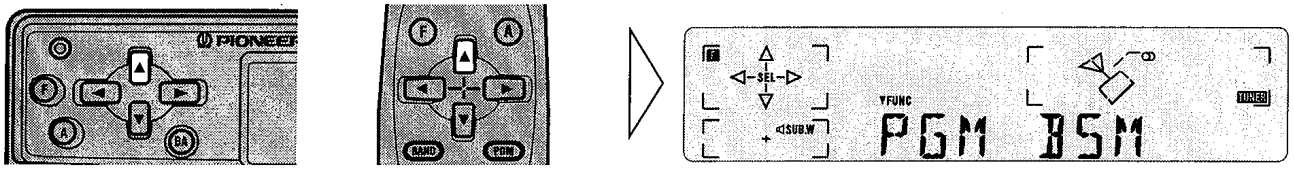


Hold for 2 seconds Hold for 2 seconds

2. Select the function you want to memorize in the PGM button.



3. Memorize the function in the PGM button.

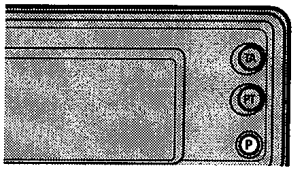


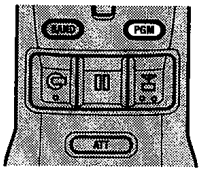
To cancel the PGM button setting mode, press the BAND button.

■ Using the PGM Button

The PGM button operates in a different way depending on the function programmed (memorized).

- **Use the PGM button.**





Function	Press	Hold for 2 seconds
BSM	——	ON/OFF
REG	ON/OFF	——
LOCAL	ON/OFF	——

What is RDS?

RDS (Radio Data System) is a system for transmitting data along with FM programs. This data, which is inaudible, provides a variety of features such as: program service name, program type display, traffic announcement standby, automatic tuning and program type tuning, intended to aid radio listeners in tuning to a desired station.

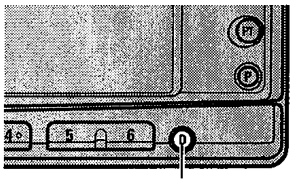
Note:

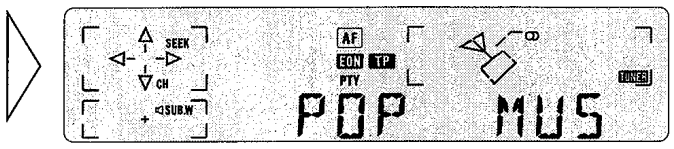
- RDS service may not be provided by all stations.
- RDS functions, like AF (Alternative Frequencies search) and TA (Traffic Announcement standby), are only active when your radio is tuned to RDS stations.

Program Service Name Display

With this function, the names of networks/stations providing RDS services replace the frequency on the display a few seconds after they are tuned in.

- **When you want to know PTY Information or the frequency of the current station, change the display.**





Each press
changes the Display ...

Each press of the DISP/CLOCK button selects the mode in the following order:
Program Service Name → PTY Information → Frequency

Note:

- After switching displays, if you do not perform an operation within 8 seconds, the Program Service Name is automatically displayed.

■ PTY Information

PTY (Program Type ID code) information for the currently tuned station appears on the display for 8 seconds. The information is correlated with the list in the section "PTY Function" on page 22.

■ Frequency

The frequency of the current station appears on the display.

AF Function

The AF (Alternative Frequencies search) function is used to search for other frequencies in the same network as the currently tuned station. It automatically retunes the receiver to another frequency in the network which is broadcasting a stronger signal when there are problems with reception of the currently tuned station or better reception is possible on a different frequency.

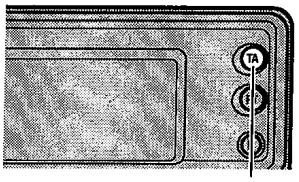
Note:

- AF tunes the receiver only to RDS stations when you use Seek tuning or BSM Auto Memory with the "AF" indicator ON.
- When you recall a preset station, the tuner may update the preset station with a new frequency from the station's AF list. (This is only available when using presets on the FM1 band.) No preset number appears on the display if the RDS data for the station received differs from that for the originally stored station.
- Sound may be temporarily interrupted by another program during an AF frequency search.
- When the tuner is tuned to a non-RDS station, the "AF" indicator flashes.
- AF can be switched ON or OFF independently for each FM band.

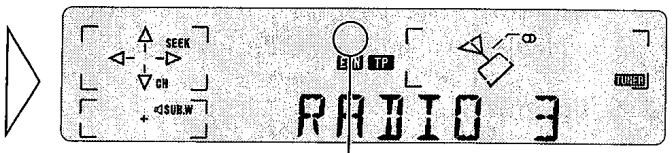
■ Activating/Deactivating the AF Function

AF is set to ON by default.

- **Turn AF to OFF.**



Hold for 2 seconds



"AF" disappears

To turn AF back ON, repeat the preceding operation.

Note:

- You can also switch the AF Function ON/OFF in the Function Menu.

PI Seek Function

The tuner searches for another frequency broadcasting the same programming. "PI SEEK" appears on the display and the radio volume is muted during a PI Seek. The muting is discontinued after completion of the PI Seek, whether or not the PI seek was sucessful If the PI Seek is unsuccessful, the tuner returns to the previous frequency.

■ PI Seek

If the tuner fails to locate a suitable alternative frequency or if the broadcasting signal is too weak for proper reception, the PI Seek will automatically start.

■ Auto PI Seek (for preset station)

When preset stations cannot be recalled, as when traveling long distances, the product can be set to perform PI Seek also during preset recall.
The default setting for Auto PI Seek is OFF.

Note:

- Refer to "Initial Setting" for details on how to switch Auto PI Seek ON/OFF.

REG Function

When AF is used to retune the tuner automatically, REG (regional) limits the selection to stations broadcasting regional programs.

Note:

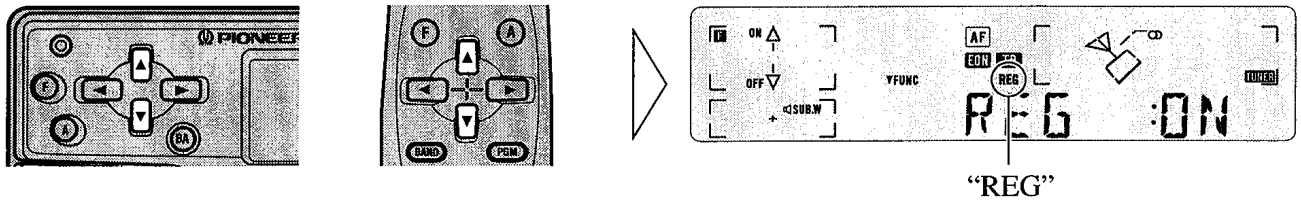
- Regional programming and regional networks are organized differently depending on the country (i.e., they may change according to the hour, state or broadcast area).
- The preset number may disappear on the display if the tuner tunes in a regional station which differs from the originally set station.

■ Activating REG

The REG function can be turned ON independently for each FM band.

1. Select the REG mode (REG) in the Function Menu.

2. Activate or deactivate REG while in an FM band.



To cancel the Function Menu, press the BAND button.

TA Function

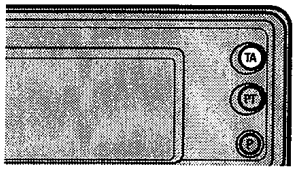
The TA (Traffic Announcement standby) function lets you receive traffic announcements automatically, no matter what source (tuner, built-in CD player or multi-CD player) you are listening to. The TA function can be activated for either a TP station (a station that broadcasts traffic information) or an EON TP station (a station carrying information which cross-references TP stations).

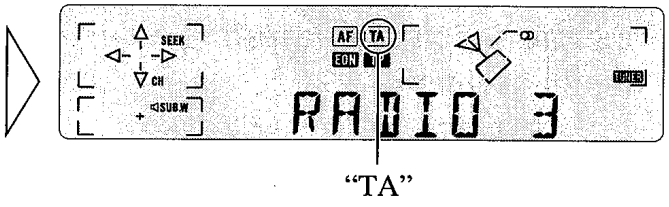
■ Activating/Deactivating the TA Function

1. Tune in a TP or EON TP station.

The "TP" indicator lights when the tuner is tuned to a TP station, and both the "EON" and "TP" indicators light when it is tuned to an EON TP station.

2. Activate the TA function.





"TA"

The "TA" indicator lights, indicating that the tuner is waiting for traffic announcements.

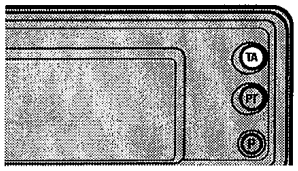
Repeat the preceding operation when no traffic announcement is being received to deactivate the TA function.

Note:

- You can also switch the TA Function ON/OFF in the Function Menu.
- Only the (+), (–), TA/AF, AUDIO, DISP/CLOCK, and SOURCE buttons can be used during traffic announcement reception.
- The system switches back to the original source following traffic announcement reception.
- The TA function can be activated from the built-in CD player or multi-CD player mode if the tuner was last set to the FM band but not if it was last set to the MW/LW band.
- If the tuner was last set to FM, turning on the TA function lets you operate other tuning functions while listening to a CD.
- Only TP or EON-TP stations are tuned in during the Seek Tuning mode when the "TA" indicator is ON.
- Only TP or EON-TP stations are stored by BSM when the "TA" indicator is ON.

■ Canceling Traffic Announcements

- **Press the TA/AF button while a traffic announcement is being received to cancel the announcement and return to the original source.**

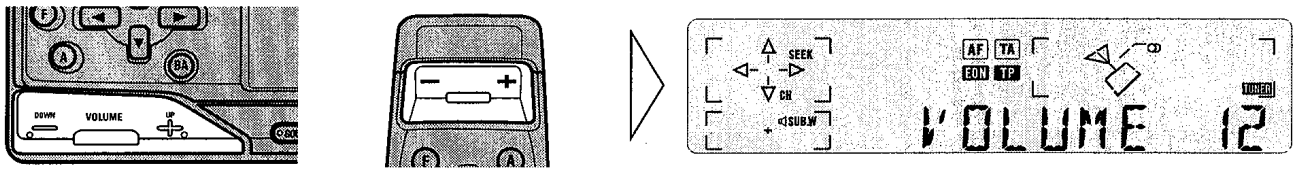


The announcement is canceled but the tuner remains in the TA mode until the TA/AF button is pressed again.

■ Adjusting the TA Volume

When a traffic announcement begins, the volume adjusts automatically to a preset level to enable you to hear the announcement clearly.

- **Set the volume by adjusting it during reception of a traffic announcement.**



The newly set volume is stored in memory and recalled for subsequent traffic announcements.

■ TP Alarm function

About 30 seconds after the "TP" or "EON" indicator is extinguished due to a weak signal, a 5 second beep sounds to remind you to select another TP or EON-TP station.

- **If you are listening to the tuner, tune in another TP station or EON-TP station.**

In the built-in CD player or multi-CD player mode, the tuner automatically seeks out the TP station with the strongest signal in the current area 10 (or 30)* seconds after "TP" disappears from the display.

*** Time taken before Seek begins.**

TA function ON	10 seconds
TA, AF functions ON	30 seconds

PTY Function

The PTY function enables you to select stations by the type of programming they broadcast (PTY Search). It also provides automatic tuning to emergency broadcasts (PTY Alarm).

Note:

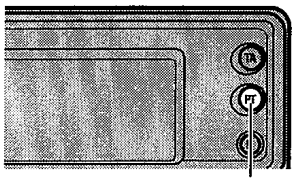
- PTY code program types are as follows:

1. NEWS:	News.
2. AFFAIRS:	Current affairs.
3. INFO:	General information and advice.
4. SPORT:	Sports programs.
5. EDUCATE:	Educational programs.
6. DRAMA:	All radio plays and serials.
7. CULTURE:	Programs concerned with any aspect of national or regional culture.
8. SCIENCE:	Programs about nature, science and technology.
9. VARIED:	Light entertainment programs.
10. POP MUS:	Popular music.
11. ROCK MUS:	Contemporary modern music.
12. EASY MUS:	Easy listening music.
13. L. CLASS:	Light classical music.
14. CLASSICS:	Serious classical music.
15. OTH MUS:	Other types of music, which can't be categorized.
16. WEATHER:	Weather reports/Meteorological information.
17. FINANCE:	Stock market reports, commerce, trading etc.
18. CHILDREN:	Children's programs.
19. SOCIAL:	Social affairs programs.
20. RELIGION:	Religion affairs programs or services.
21. PHONE IN:	Phone in based programs.
22. TOURING:	Travel programs, not for announcements about traffic problem.
23. LEISURE:	Programs about hobbies and recreational activities.
24. JAZZ:	Jazz music based programs.
25. COUNTRY:	Country music based programs.
26. NAT MUS:	National music based programs.
27. OLDIES:	Oldies music, 'Golden age' based programs.
28. FOLK MUS:	Folk music based programs.
29. DOCUMENT:	Documentary programs.

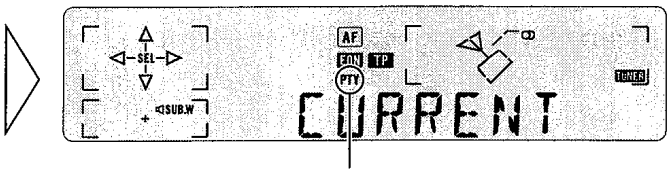
- If a PTY code of zero is received from a station, "NONE" will be displayed. This indicates that the station has not defined its program contents.
- If the signal is too weak for this product to pick up the PTY code, "NO PTY" will be displayed.

■ PTY Search Setting Function

1. Enter the PTY Search setting mode.



Hold for 2 seconds



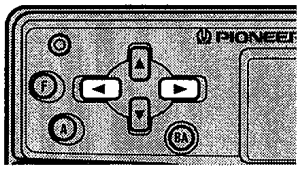
"PTY"

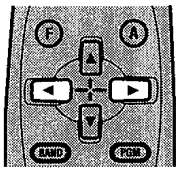
The "PTY" indicator lights and the name of a program type appears on the display for 5 seconds.

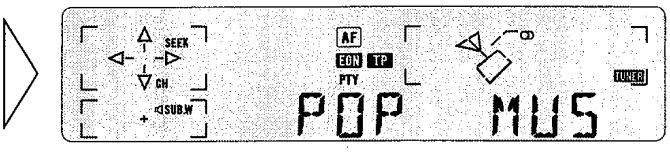
Note:

- CURRENT sets desired PTY to the program type of the current station (only for RDS stations broadcasting PTY information).

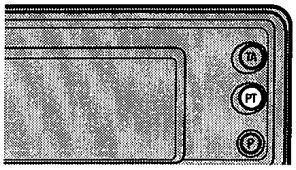
2. Select one of the PTYs.

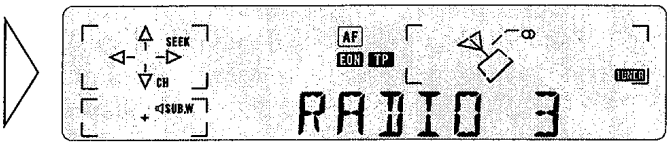






3. When the desired programming type appears on the display, return to the normal display.



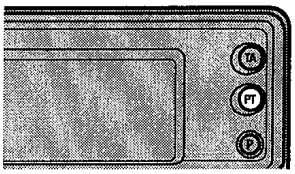


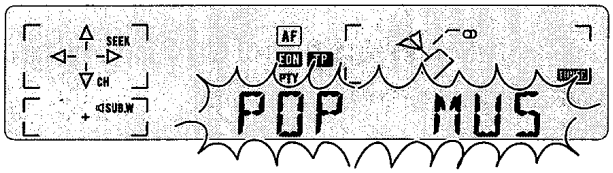
Note:

- You can also select the PTY Search Setting mode (PTY SEL) in the Function Menu, and switch the PTY Search Function ON/OFF.

■ PTY Search Function

- **Initiate a PTY search.**





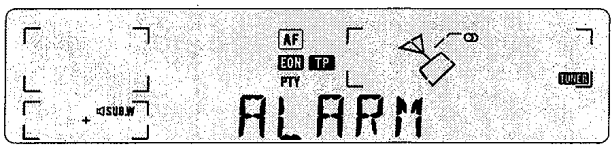
The tuner searches for a station broadcasting the desired PTY.

Note:

- The program of some stations may differ from that indicated by the transmitted PTY.
- If no station broadcasting the selected programming type is found, "NOT FOUND" is displayed for about 2 seconds, and the tuner returns to the original station.

■ PTY Alarm

PTY Alarm is a special PTY code for announcements regarding emergencies such as natural disasters. When the tuner receives the radio alarm code, "ALARM" appears on the display and the volume adjusts to the TA volume. When the station stops broadcasting the emergency announcement, the system returns to the previous source.

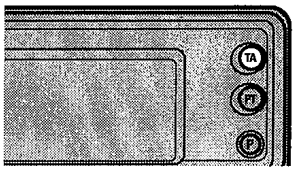


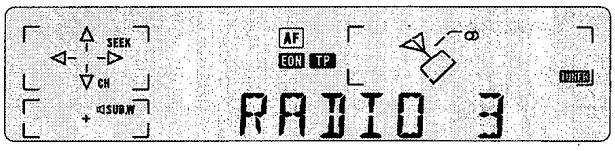
Note:

- Only the (+), (–), TA/AF, AUDIO, DISP/CLOCK and SOURCE buttons can be used during emergency announcement reception.
- The system switches back to the original source following emergency announcement reception.

■ Canceling Emergency Announcements

- **Press the TA/AF button during emergency announcement reception to cancel the announcement and return to the previous source.**

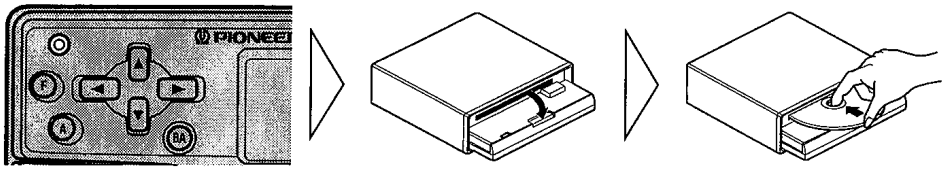




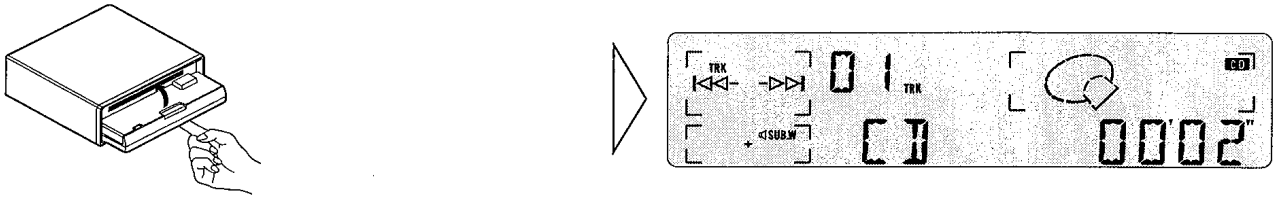
Basic Operation of Built-in CD Player

The built-in CD player plays one standard 12 cm or 8 cm (single) CD at a time. Do not use an adapter when playing 8 cm CD.

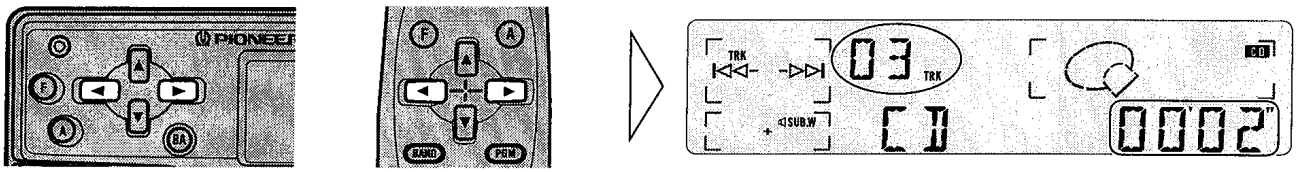
1. Open the front panel and insert the disc with the recorded (iridesecent) surface down.



2. Close the front panel by swinging it gently upward.



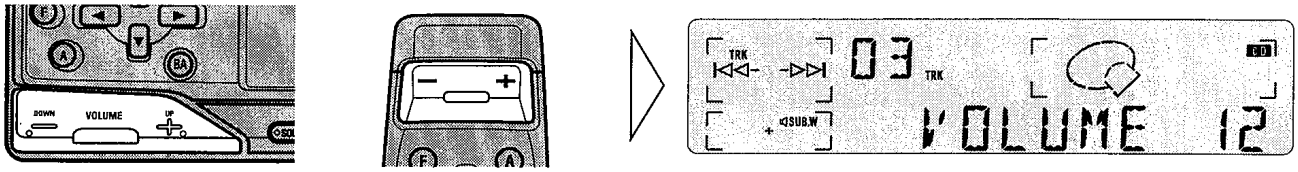
3. Select the desired track (or fast-foward/reverse, per the chart below).



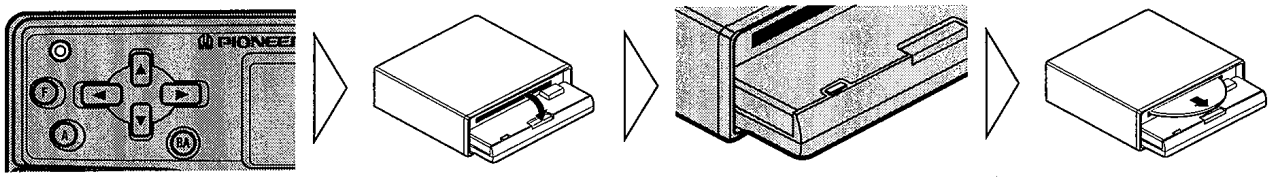
This product's built-in CD player lets you select the Track Search function or Fast-forward/Reverse function by changing the length of the time you press the button.

Track Search	0.5 seconds or less
Fast-forward/Reverse	Continue pressing

4. Raise or lower the volume.



5. Open the front panel and remove the disc.



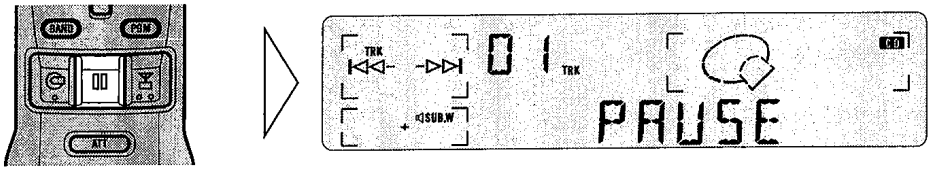
Be sure to close the front panel after removing the disc.

Note:

- The CD function can be turned ON/OFF with the disc remaining in this product. (See page 9.)
- Discs left partially inserted after ejection may incur damage or fall out.
- If a disc cannot be inserted fully or playback fails, make sure the recorded side is down, push the EJECT button and check the disc for damage before reinserting it.
- If a CD is inserted with the recorded side up, it will be ejected automatically after a few moments.
- If the built-in CD player cannot operate properly, an error message (such as "ERROR-14") appears on the display. Refer to "Built-in CD Player Troubleshooting" on page 33.

Pause

- **Stop playback temporarily or restarts the system.**



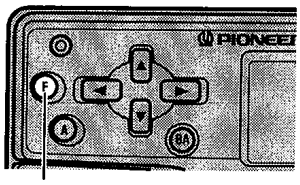
Note:

- You can also switch the Pause function ON/OFF in the Function Menu.

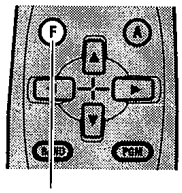
Entering the Function Menu

In this menu you can select built-in CD player functions.

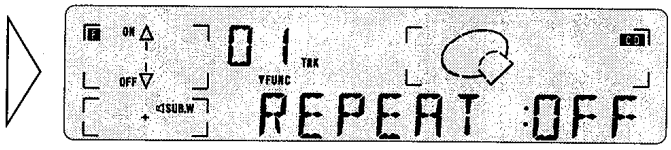
- **Select the desired mode in Function Menu.**



Each press changes the mode ...



Each press changes the mode ...



Each press of the FUNCTION button selects the mode in the following order:
REPEAT → RANDOM → T-SCAN → PAUSE

To cancel the Function Menu, press the BAND button.

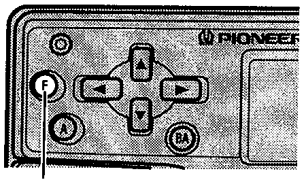
Note:

- After entering the Function Menu, if you do not perform an operation within about 30 seconds, the Function Menu is automatically canceled.

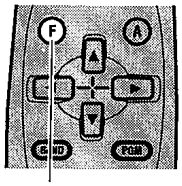
Entering the Detailed Setting Menu

In this menu you can perform Disc Title Input and PGM button settings.

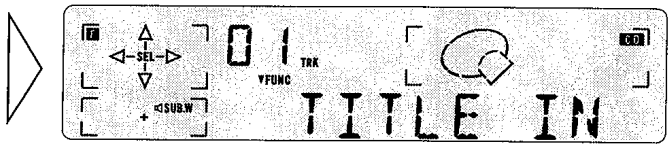
- **Enter the Detailed Setting Menu.**



Hold for 2 seconds



Hold for 2 seconds



Each press of the FUNCTION button selects the mode in the following order:
TITLE IN → PGM-FUNC

To cancel the Detailed Setting Menu, press the BAND Button.

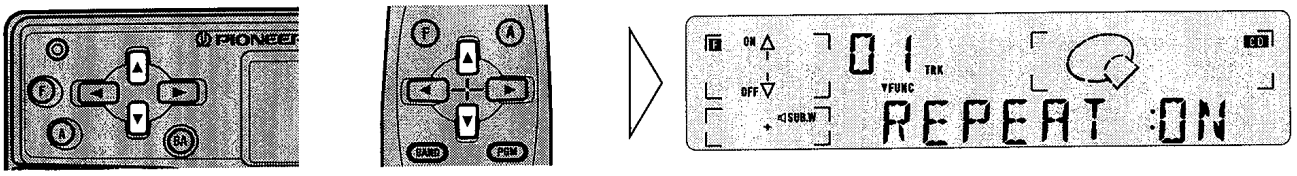
Note:

- You can cancel the Detailed Setting Menu by pressing the FUNCTION button again for 2 seconds or more.

Repeat Play

Repeat Play plays the same track repeatedly.

1. **Select the Repeat mode (REPEAT) in the Function Menu.**
2. **Switch the Repeat Play ON or OFF.**



To cancel the Function Menu, press the BAND button.

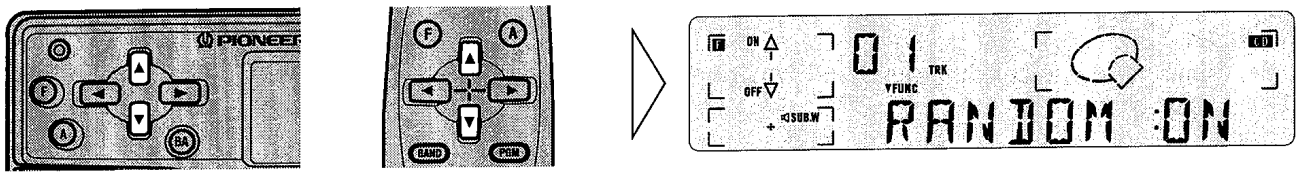
Note:

- If you perform Track Search or Fast-forward/Reverse, Repeat Play is automatically canceled.

Random Play

Random Play plays the tracks on a CD in random order for variety.

1. **Select the Random mode (RANDOM) in the Function Menu.**
2. **Switch the Random Play ON or OFF.**



To cancel the Function Menu, press the BAND button.

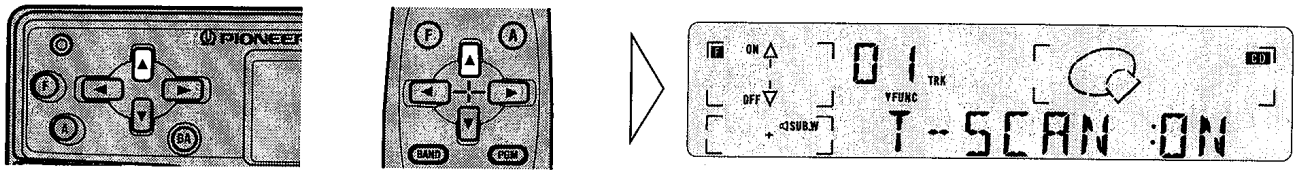
Note:

- Since playback is random, the same track may be repeated consecutively.

Scan Play

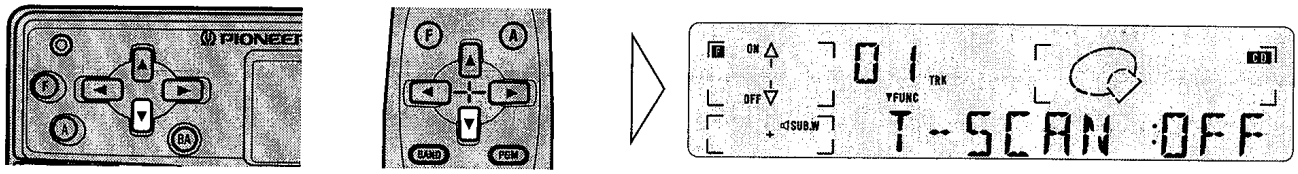
Scan Play plays the first 10 seconds or so of each track on a CD in succession.

1. **Select the Scan mode (T-SCAN) in the Function Menu.**
2. **Switch the Scan Play ON.**



3. **When you hear the track you are looking for, cancel Scan Play.**

If the Function Menu is automatically canceled at this time, select the Scan mode in the Function Menu once more.



Playback of the current track continues.

To cancel the Function Menu, press the BAND button.

Note:

- Scan Play is canceled automatically after all the tracks on a disc have been scanned.

Disc Title Input

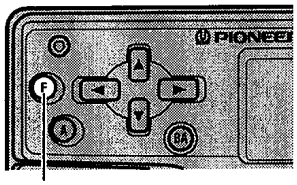
The built-in CD player's Disc Title Input function permits entry of up to 100 disc titles comprising up to 10 characters when one or more multi-CD players is installed. (See "Disc Title Input" on page 46 under "Using Multi-CD Players".

Using the PGM Button

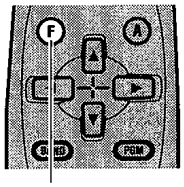
In the Function Menu, you can memorize the Pause (PAUSE), Repeat (REPEAT), and Random (RANDOM) functions in the PGM button. Initially, PAUSE is memorized in the PGM button.

■ Setting the PGM Button

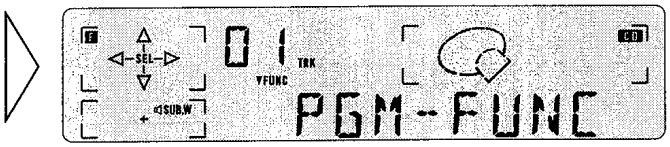
1. Select the PGM button setting mode.



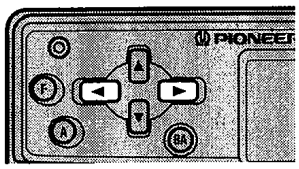
Hold for 2 seconds

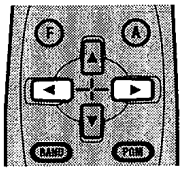


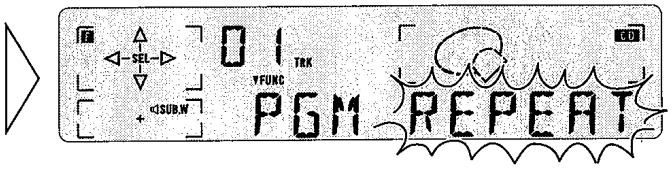
Hold for 2 seconds



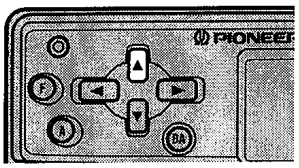
2. Select the function you want to memorize in the PGM button.

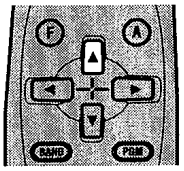


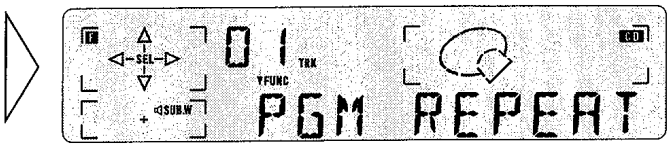




3. Memorize the function in the PGM button.





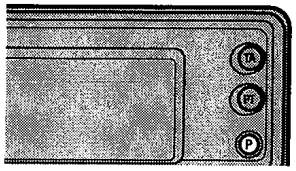


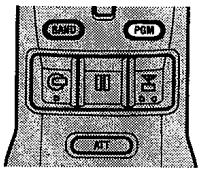
To cancel the PGM button setting mode, press the BAND button.

■ Using the PGM Button

The PGM button operates in a different way depending on the function programmed (memorized).

- **Use the PGM button.**





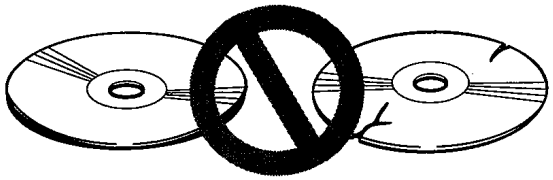
Function	Press	Hold for 2 seconds
PAUSE	ON/OFF	——
REPEAT	ON/OFF	——
RANDOM	ON/OFF	——

Disc Selection and Care

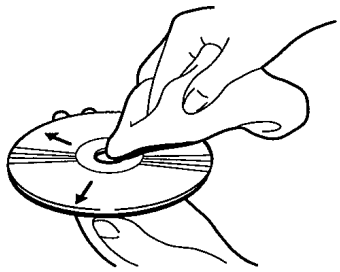
- Play only CDs bearing the Compact Disc Digital Audio mark.

COMPACT disc DIGITAL AUDIO

- Check all CDs before playing, and discard cracked, scratched or warped discs.



- Wipe dirty or damp discs outward from the center with a soft cloth.



- Avoid touching the recorded (iridescent) surface when handling discs.
- Store discs in their cases when not in use.

Precaution

- Keep discs out of direct sunlight and high temperatures.
- Do not affix labels or apply chemicals to discs.
- Condensation may collect inside the player when using the heater in cold weather, interfering with playback. Turn it off for an hour or so and wipe damp discs with a soft cloth.
- Road shocks may interrupt CD playback.

Error Massage

When problems occur with CD playback, an error message appears on the display. Refer to the table below to identify the problem, then take the suggested corrective action. If the error persists, contact your dealer or your nearest PIONEER Service Center.

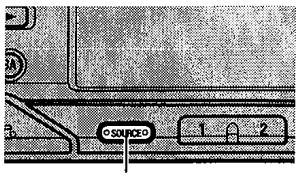
Message	Possible cause	Recommended action
ERROR- 11, 12, 17, 30	Dirty disc.	Clean the disc.
ERROR- 11, 12, 17, 30	Scratched disc.	Replace the disc.
ERROR- 14	Unrecorded CD.	Check the disc.
ERROR- 10, 11,12, 14, 17, 30, A0	Electrical or mechanical problem.	Turn the ignition ON and OFF, or switch to a different source, then back to the CD player.
HEAT	CD player overheating.	Discontinue play until the machine temperature drops.

Using Multi-CD Players

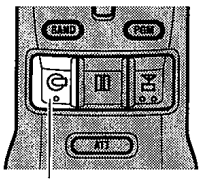
This product can control one or more multi-CD players.

Basic Operation of Multi-CD Players

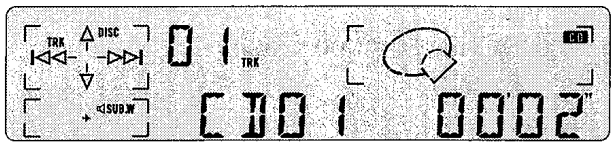
1. Select the multi-CD player source.



Each press changes the Source ...



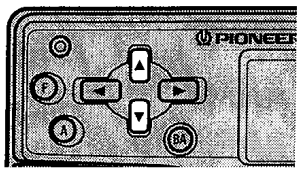
Each press changes the Source ...

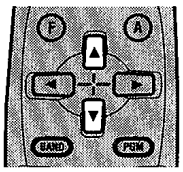


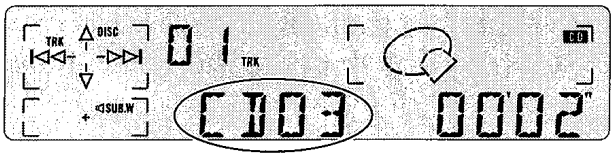
Note:

- The multi-CD player may perform a preparatory operation, such as verifying the presence of a disc or reading disc information, when the power is turned ON or a new disc is selected for playback. "READY" is displayed.
- If the multi-CD player cannot operate properly, an error message such as "ERROR-14" is displayed. Refer to the multi-CD player owner's manual.
- If there are no discs in the multi-CD player magazine, "NO DISC" is displayed.

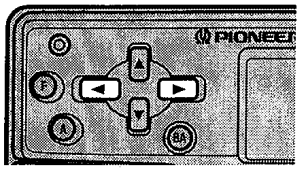
2. Select the desired disc.

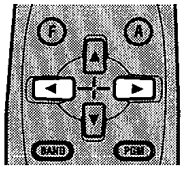


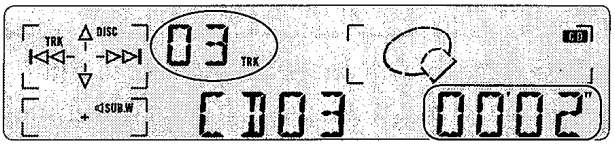




3. Select the desired track (or fast-forward/reverse, per the chart below).



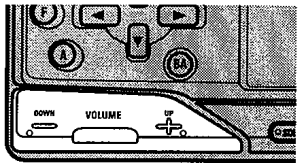


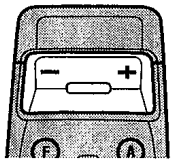


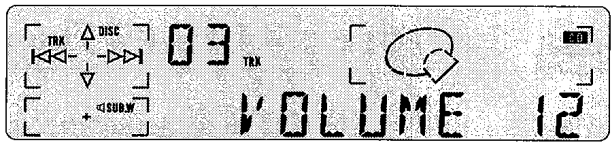
This product lets you select the track search function or fast-forward/reverse function by changing the length of the time you press the button.

Track search	0.5 seconds or less
Fast-forward/Reverse	Continue pressing

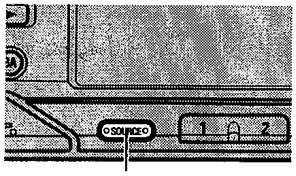
4. Raise or lower the volume.



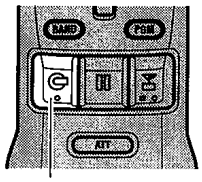




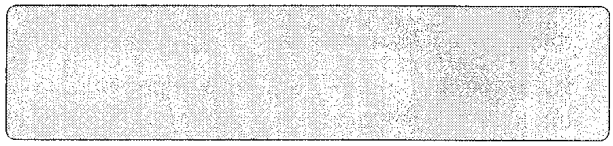
5. Turn the source OFF.



Hold for 1 second



Each press changes the Source...



Playing Discs on a 50-Disc Type Multi-CD Player

When a magazine is loaded into a 50-Disc type multi-CD player, information on all the discs in the magazine is read.

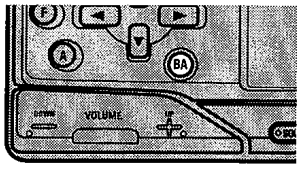
If you start playing a disc on a 50-Disc type multi-CD player before reading of information on all discs has been completed, reading of information stops part way through. This will prevent you from using a number of functions. (If you try and use these functions, "NOT READY" is displayed.)

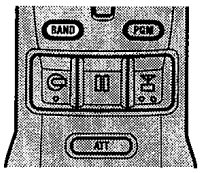
If this happens, reading of information begins again when you switch to a component other than 50-Disc type multi-CD player.

Switching the Multi-CD Player

It is possible to connect up to three multi-CD players by means of a multiple installation adapter. When two or more multi-CD players are installed, their priorities must be specified. Follow the multi-CD player instructions carefully, and set the address switches properly.

- **Select the multi-CD player you want to use.**





M-CD 1 → M-CD 2 → M-CD 3

Disc Number Search

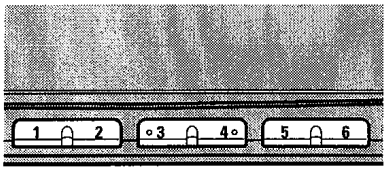
■ Disc Number Search (for 6-Disc, 12-Disc types)

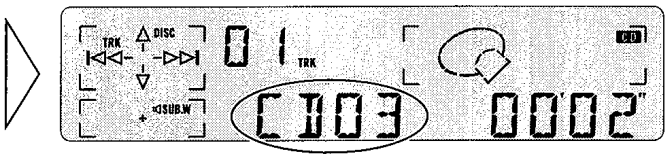
You can select discs directly with the 1 to 6 buttons. Just press the number corresponding to the disc you want to listen to.

Note:

- When a 12-Disc Multi-CD Player is connected and you want to select disc 7 to 12, press the 1 to 6 buttons for 2 seconds or longer.

• Select the desired disc. (eg. Press button 3.)





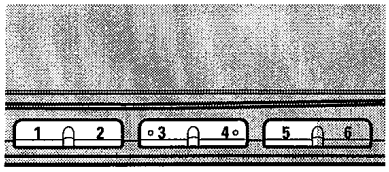
■ Disc Number Rough Search (for 50-Disc type only)

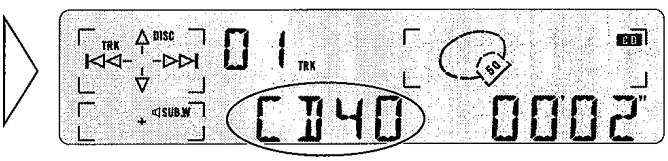
This handy function lets you select discs loaded in a 50-Disc Multi-CD Player using the 1 to 5 buttons. The 50 discs are divided into five blocks, with each of the 1 to 5 buttons assigned to a block.
For example, if you press button 1, discs 10 through 19 are searched in order, and then the disc with the lowest disc number is selected.

Note:

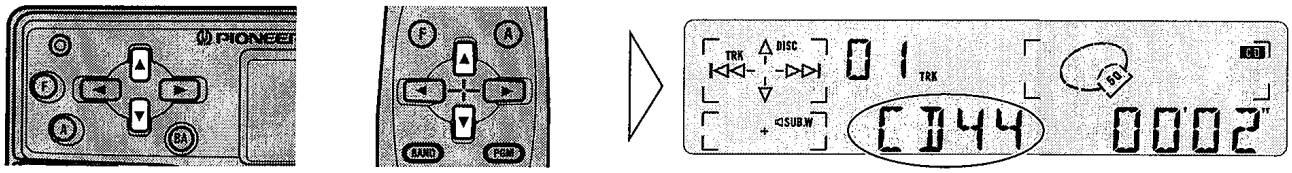
- Pressing button 5 lets you select the 50th disc only.
- Button 6 does not operate.
- Rough search of discs 1 to 9 is not possible. Use the ▲/▼ buttons to select a desired disc.
- "LOAD" will be displayed in the following cases :
  * If the disc in the extra tray in selected.
  * If the disc in moved from the extra tray to the magazine.
    (Refer to the 50-Disc type multi-CD player's owner's manual.)

1. Press the appropriate button from 1 to 5 to select the block containing the desired disc. (eg. Press button 4.)



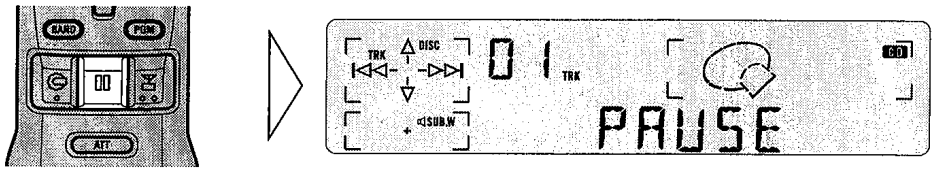


2. Select the desired disc.



Pause

- **Stop playback temporarily or restarts the system.**



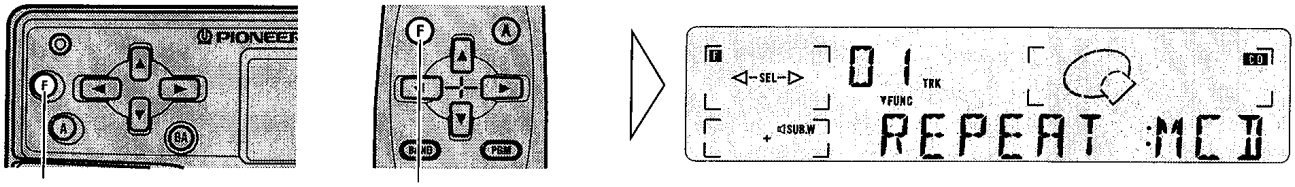
Note:

- You can also switch the Pause function ON/OFF in the Function Menu.

Entering the Function Menu

In this menu you can select Multi-CD Player functions.

- **Select the desired mode in the Function Menu.**



Each press changes the Mode ...

Each press changes the Mode ...

Each press of the FUNCTION button selects the mode in the following order:
REPEAT → TITLE LIST → ABC SEARCH* → RANDOM → SCAN → ITS-P → MG-P* → FREQ-P* → PAUSE → COMP

* ABC SEARCH, MG-P and FREQ-P are 50-Disc type multi-CD player functions. You cannot switch to these modes when using 6-Disc and 12-Disc type multi-CD players.

To cancel the Function Menu, press the BAND button.

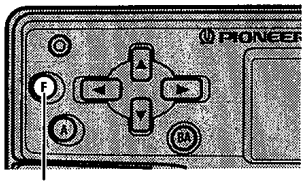
Note:

- With multi-CD players that do not feature COMP (Compression) and DBE (Dynamic Bass Emphasis) functions, "NO COMP" is displayed if you switch to the COMP mode.
- After entering the Function Menu, if you do not perform an operation within about 30 seconds, the Function Menu is automatically canceled.

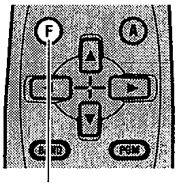
Entering the Detailed Setting Menu

In this menu you can perform Disc Title Input, ITS Program and PGM button settings.

- **Enter the Detailed Setting Menu.**



Hold for 2 seconds



Hold for 2 seconds

Each press of the FUNCTION button selects the mode in the following order:
TITLE IN → ITS → MG IN* → PGM-FUNC

* MG-IN is a 50-Disc type multi-CD player function. You cannot switch to this mode when using 6-Disc and 12-Disc type multi-CD players.

To cancel the Detailed Setting Menu, press the BAND Button.

Note:

- You can cancel the Detailed Setting Menu by pressing the FUNCTION button again for 2 seconds or more.

CD Sound Quality Adjustment

COMP (compression) and DBE (dynamic bass emphasis) functions are available to adjust the sound quality of your multi-CD player. Each can be adjusted in two levels, but they cannot be used together.
COMP and DBE can also be used with another multi-CD player which is equipped with these functions. If it is not so equipped, "NO COMP" is displayed when COMP/DBE switching is attempted.

■ COMP

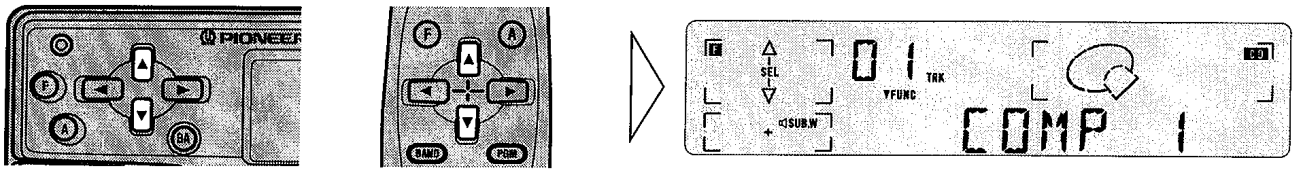
The COMP (compression) function eliminates distortions caused by imbalances between loud and subdued sounds at higher volumes.

■ DBE

DBE (dynamic bass emphasis) boosts bass levels to give fuller sounds.

■ COMP/DBE ON/OFF Switching

1. **Select the COMP/DBE switching mode (COMP OFF) in the Function Menu.**
2. **Select the desired mode in the following order:**



COMP OFF → COMP 1 → COMP 2 → COMP OFF → DBE 1 → DBE 2

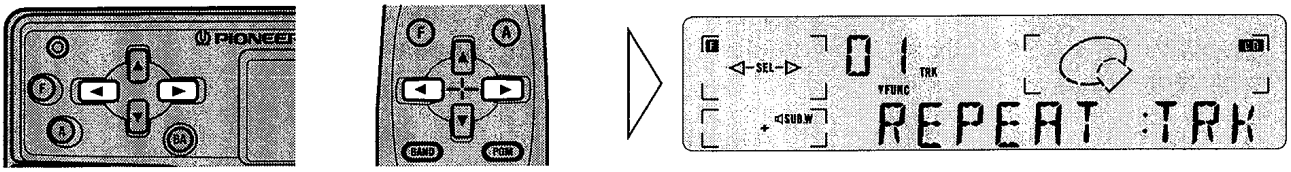
To cancel the Function Menu, press the BAND button.

Multi-CD Player Repeat Modes

Multi-CD players offer four repeat modes: One-track Repeat, Disc Repeat, Multi-CD player Repeat and All Repeat. Multi-CD player Repeat is the default mode (normal play) when one or more multi-CD players is installed.

1. **Select the Repeat Selecting mode (REPEAT) in the Function Menu.**

2. **Select the desired repeat mode in the following order:**



Multi-CD player Repeat ("MCD" is displayed) → ALL Repeat ("ALL" is displayed) → One-track Repeat ("TRK" is displayed) → Disc Repeat ("DSC" is displayed)

To cancel the Function Menu, press the BAND button.

Note:

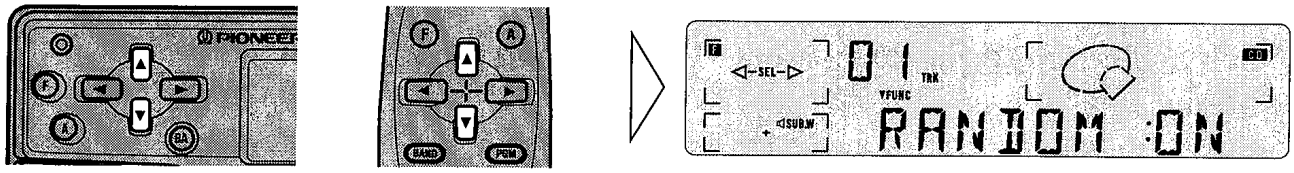
- All Repeat is available only when two or more multi-CD players are installed.

■ Multi-CD player repeat modes

Mode	Operation
One-track Repeat	Plays current track repeatedly. • When Track Search or fast forward/reverse is performed, the mode returns to the Disc Repeat mode. • When a different disc or multi-CD player is selected, the mode switches to the Multi-CD player Repeat mode.
Disc Repeat	Plays current disc repeatedly. • When a different disc or multi-CD player is selected, the mode switches to the Multi-CD player Repeat mode.
Multi-CD player Repeat (normal play)	Plays all discs loaded in the multi-CD player magazine repeatedly in order, starting with the first disc.
All Repeat	Plays all discs in the magazines of all multi-CD players in order.

Multi-CD Player Random Play

1. **Select the Random mode (RANDOM) in the Function Menu.**
2. **Switch the Random Play ON or OFF.**



When Multi-CD Player Random Play is ON, you can combine it with Repeat Mode to operate as shown below. Switching the Repeat Mode switches Random Play OFF.

To cancel the Function Menu, press the BAND button.

Note:

- Since playback is random, the same track may be repeated consecutively.

■ Multi-CD player Random Play options

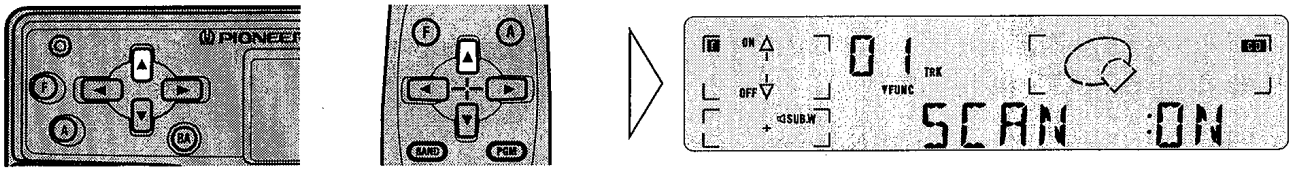
Mode	Operation
One-track Repeat	The mode returns to the Disc Repeat mode, and all tracks on the current disc are played randomly.
Disc Repeat "RDM:DSC"	All tracks on the current disc are played randomly.
Multi-CD player Repeat "RDM:MCD"	All tracks on the discs in the multi-CD player magazine are played randomly.
All Repeat "RDM:ALL"	All tracks on the discs in all the multi-CD players are played randomly.

Multi-CD Player Scan Play

When one or more multi-CD players are installed, the first 10 seconds or so of each track on a disc are scanned in the One-track Repeat and Disc Repeat modes and the first tracks of each disc in the multi-CD player Repeat and All Repeat modes.

1. Select the Scan mode (SCAN) in the Function Menu.

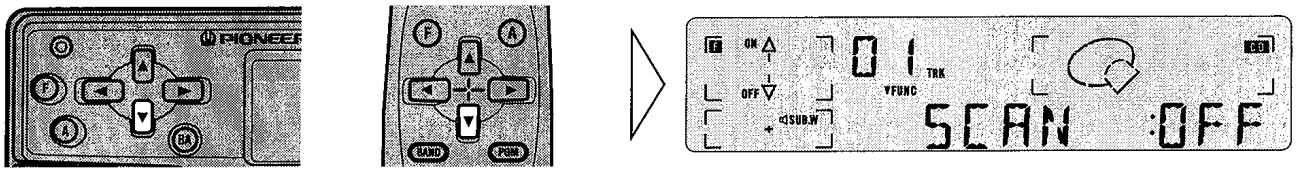
2. Switch the Scan Play ON.



When multi-CD player Scan Play is switched ON and combined with the Repeat Mode, it operates as shown in the following chart. If the Repeat Mode is switched, Scan Play switches OFF.

3. When you hear the track you are looking for, cancel Scan Play.

If the Function Menu has been canceled automatically, select the Scan mode in the Function Menu again.



Playback of the current track or disc will continue.

To cancel the Function Menu, press the BAND button.

Note:

- Scan Play is canceled automatically after all the tracks or discs have been scanned.

■ Multi-CD player Scan Play options

Mode	Operation
One-track Repeat	The mode returns to the Disc Repeat mode, and all tracks on the current disc are scanned.
Disc Repeat "SCN:DSC"	All tracks on the current disc are scanned.
Multi-CD player Repeat "SCN:MCD"	The first tracks of all the discs in the multi-CD player magazine are scanned.
All Repeat "SCN:ALL"	The first tracks of all the discs in the magazines of all the installed multi-CDs are scanned.

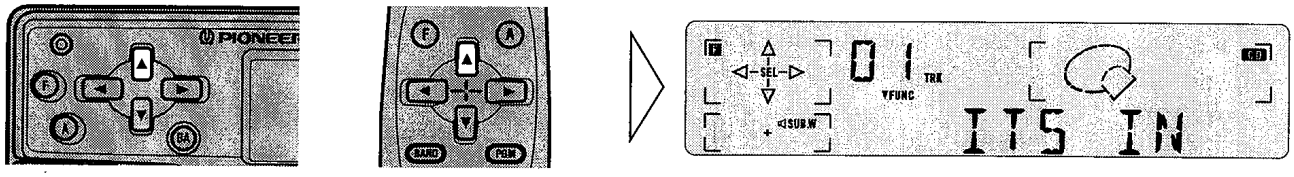
ITS (Instant Track Selection)

The ITS function allows you to search for the track you wish to play when one or more multi-CD players are installed. You can use ITS to program automatic playback of up to 24 tracks per disc from up to 100 discs. (You can store ITS program and Disc Title data for up to 100 discs in memory. With a 50-Disc type multi-CD player, you can also store Music Group data.)

■ ITS Programming

ITS programming can be conducted in any multi-CD player playback mode except ITS playback.

1. **Play the track you wish to program.**
2. **Select the ITS Programming mode (ITS) in the Detailed Setting Menu.**
3. **Program the desired track.**



To cancel the Detailed Setting Menu, press the BAND button.

Note:

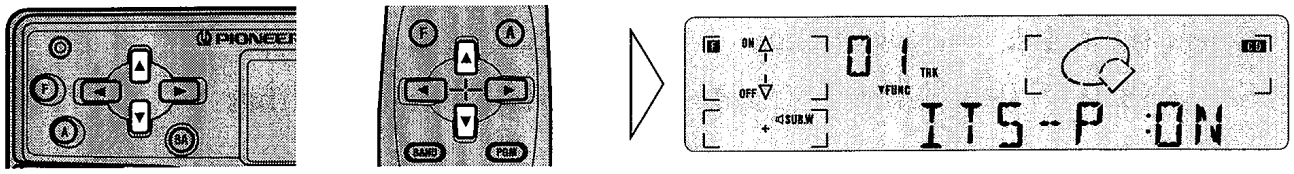
- After 100 discs have been programmed, data for a new disc will overwrite the data for the disc that has not been played back for the longest time.

■ ITS Playback

ITS playback can be performed in any repeat mode.

1. Select the ITS Playback mode (ITS-P) in the Function Menu.

2. Switch the ITS Playback ON or OFF.



When ITS Play is ON, you can combine it with Repeat Mode to operate as shown below. If you change Repeat Mode into One-track Repeat, ITS Play will be turned OFF.
The ITS programmed tracks are played back in order from first to last.

To cancel the Function Menu, press the BAND button.

Note:

- If no track in the current range is programmed for ITS playback, "ITS EMPTY" is displayed.

■ Multi-CD player ITS play

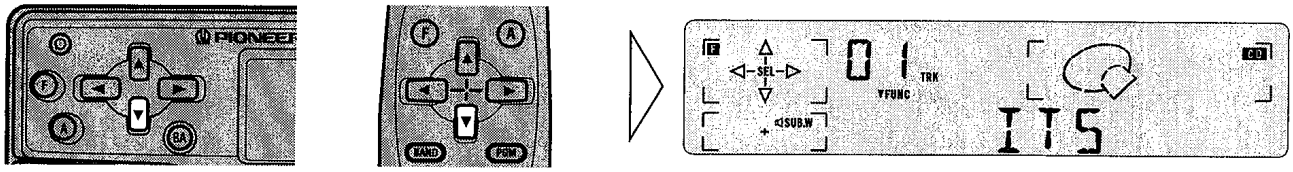
Mode	Operation
One-track Repeat	The mode returns to the Disc Repeat mode and all programmed tracks on the current disc are played.
Disc Repeat "ITS:DSC"	All programmed tracks on the current disc are played.
Multi-CD player Repeat "ITS:MCD"	All programmed tracks on the discs in the multi-CD player magazine are played back. • If there are no programmed tracks on the current disc, ITS advances to the next disc.
All Repeat "ITS:ALL"	The programmed tracks on all the discs in the magazines of all the installed multi-CD are played back. • If there are no programmed tracks on the current disc (or multi-CD player), ITS advances to the next disc (or multi-CD player).

Erasing ITS Programs

ITS programs for up to 100 discs are stored permanently until you erase them.

■ Erase a track program

1. **Select the track you wish to erase, during ITS playback.**
2. **Select the ITS Programming mode (ITS) in the Detailed Setting Menu.**
3. **Erase the track program.**

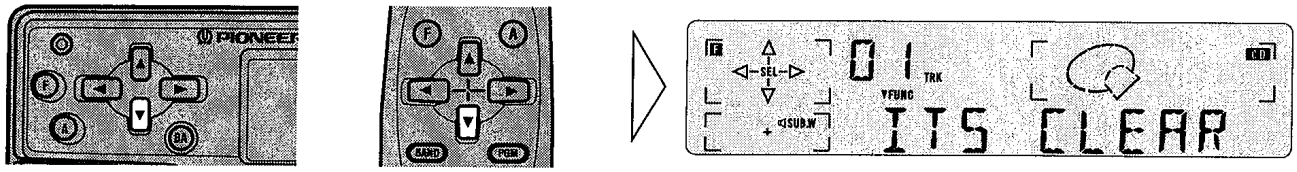


ITS is canceled and playback of the next ITS-programmed track begins. If there are no more programmed tracks in the current range, "ITS EMPTY" is displayed and normal playback resumes.

To cancel the Detailed Setting Menu, press the BAND button.

■ Erase a disc program

1. **Select the disc you wish to erase, while the disc is playing.**
2. **Select the ITS Programming mode (ITS) in the Detailed Setting Menu.**
3. **Erase the disc program.**

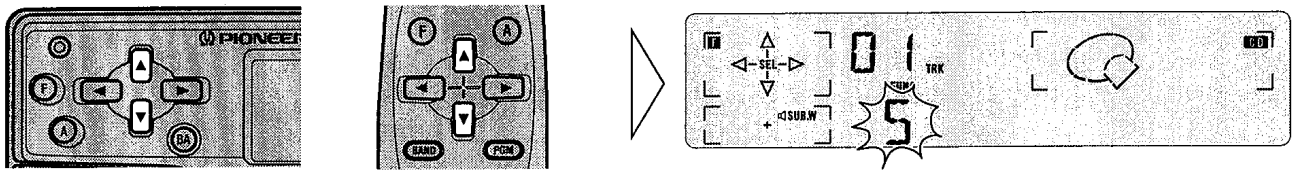


To cancel the Detailed Setting Menu, press the BAND button.

Disc Title Input

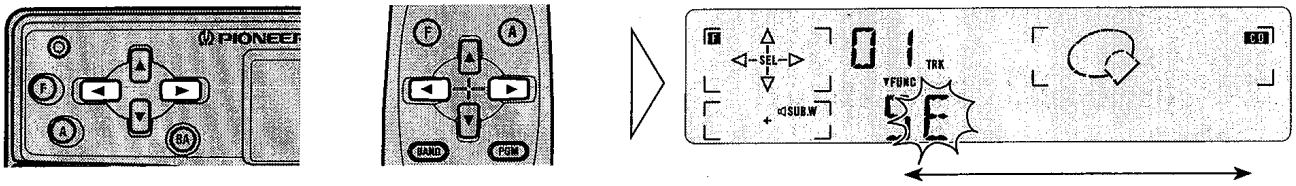
You can input Titles up to 10 characters long for up to 100 discs. Using this function lets you easily search for and select a desired disc for play. (You can store ITS program and Disc Title data for up to 100 discs in memory. With a 50-Disc type multi-CD player, you can also store Music Group data.)

1. **Play the disc you wish to input the disc title.**
2. **Select the Disc Title Input mode (TITLE IN) in the Detailed Setting Menu.**
3. **Select a letter, number or symbol.**

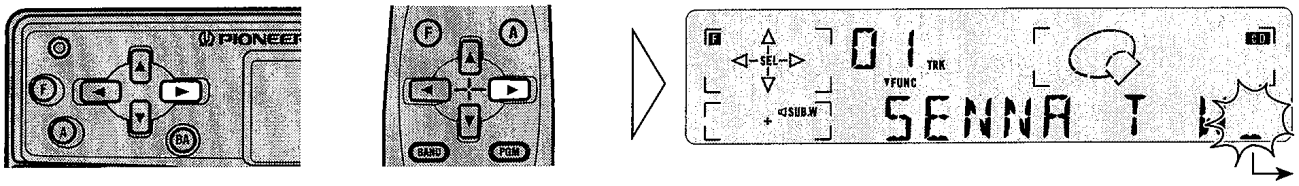


To insert a space, select the flashing cursor.

4. **Reverse or advance box by box.**



5. **When the title is completed, store it in memory to make the flashing cursor fade out.**



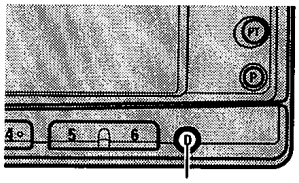
To cancel the Detailed Setting Menu, press the BAND button.

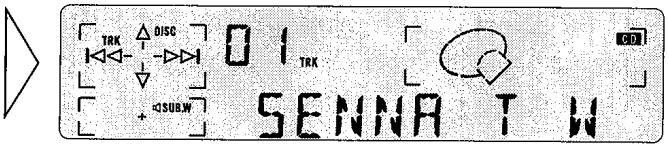
Note:

- Titles remain in memory, even after the disc has been removed from the magazine, and are recalled when the disc is reinserted.
- After the titles for 100 discs have been entered, data for a new disc will overwrite the data for the disc that has not been played back for the longest time.

■ Displaying Disc Titles

- **Select the Disc Title display.**





Each press
changes the Display ...

Each press of the DISP/CLOCK button changes the display in the following order:
Playback mode (Elapsed play time) → Disc Title → Music Group*

* Music Group display is a 50-Disc type multi-CD player function. You cannot switch to this display with 6-Disc and 12-Disc type multi-CD players. (Refer to page 49.)

Note:

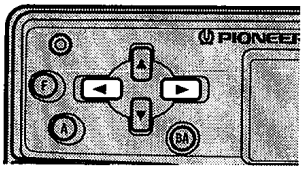
- During normal playback in the playback mode display, the elapsed play time is displayed.
- When playing a disc that does not have a title, if you switch to Disc Title display, "NO TITLE" flashes for 8 seconds, and then the display goes blank.

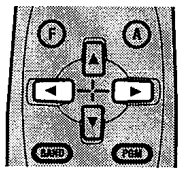
■ Selecting Discs by Disc Title List

Follow the procedures below to play a disc for which you have input the title in a multi-CD player:

1. **Select the Disc Title List mode (TITLE LIST) in the Function Menu.**

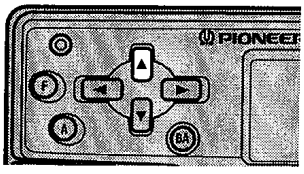
2. **Each time you press the ◄ or ► button, titles in the current disc magazine are displayed in the order of their disc numbers.**

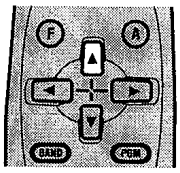




Nothing is displayed for disc whose titles have not been input.

3. **Select the desired disc for playback by pressing ▲ button when its title is displayed.**





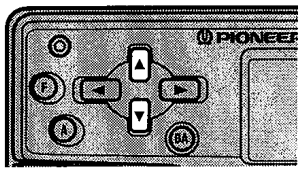
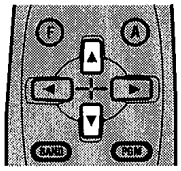
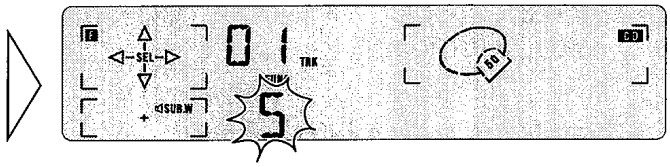
To cancel the Function Menu, press the BAND button.

■ Selecting Discs Using "ABC" Disc Title Search (for 50-Disc type only)

You can search for and select a disc by searching for the first letter of the desired disc's Disc Title.

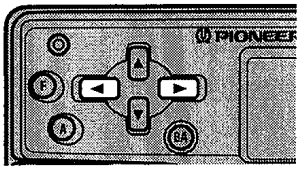
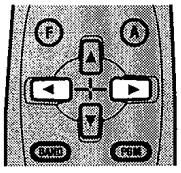
1. Select the "ABC" Disc Title Search mode (ABC SEARCH) in the Function Menu.

2. Select the desired first letter.

3. Select the desired disc title.

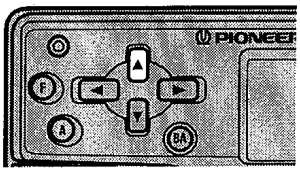
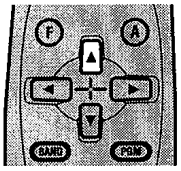
Each time you press the button, titles with the selected first letter are displayed in the order of their disc numbers.

Note:

- When there are no disc titles starting with the letter you selected, "NO TITLE" flashes in the display.
- Press the ▼ button to return to selection of the first letter.

4. Select the desired disc for playback by pressing ▲ button when its title is displayed.

To cancel the Function Menu, press the BAND button.

Music Group Play (for 50-Disc type only)

The Music Group Play function classifies discs loaded in a 50-Disc type multi-CD player into 10 groups, and plays only discs from the same group. Up to 100 discs can be classified into groups. (Music Group, ITS program and Disc Title data for up to 100 discs can be stored in memory.)

Note:

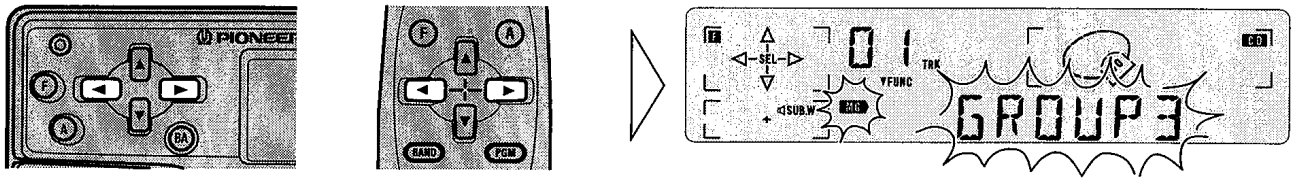
- Music Group types are as follows:
  ROCK 1, ROCK 2, POP, JAZZ, INSTRMNT, CLASSIC, GROUP 1, GROUP 2, GROUP 3, GROUP 4

■ Classifying a disc into a group

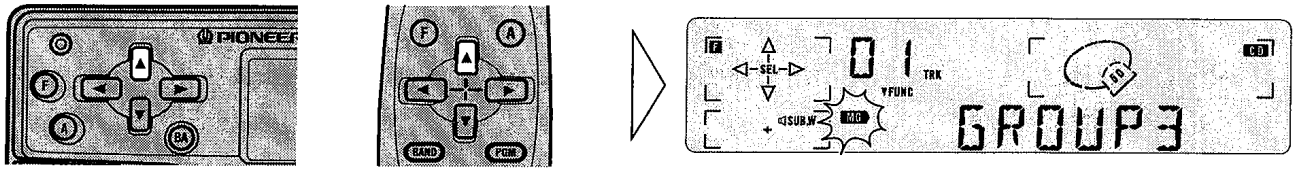
1. Play the disc you want to classify into a group.

2. Select the Music Group Input mode (MG IN) in the Detailed Setting Menu.

3. Select the desired group.



4. Register the disc in the selected group.



To cancel the Detailed Setting Menu, press the BAND button.

Note:

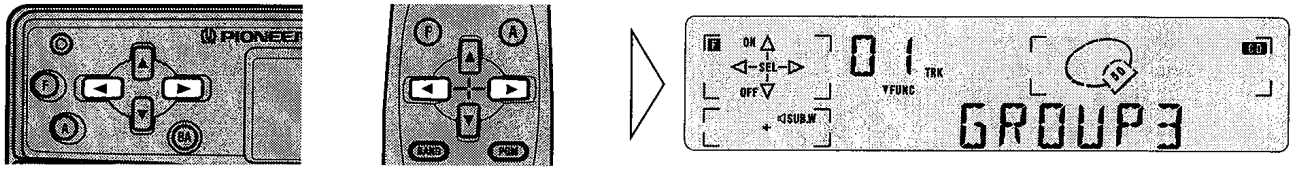
- Even if you remove a disc from a magazine after you have registered it in a group, its assigned group is stored in memory. This means that when you reinsert the disc in the magazine, there's no need to reassign it to the group.
- After assigning 100 discs to groups, data input for a new disc overwrites data for the disc that has been played least recently.

■ Music Group Playback

Only discs in the same group are played.

1. Select the Music Group Playback mode (MG-P) in the Function Menu.

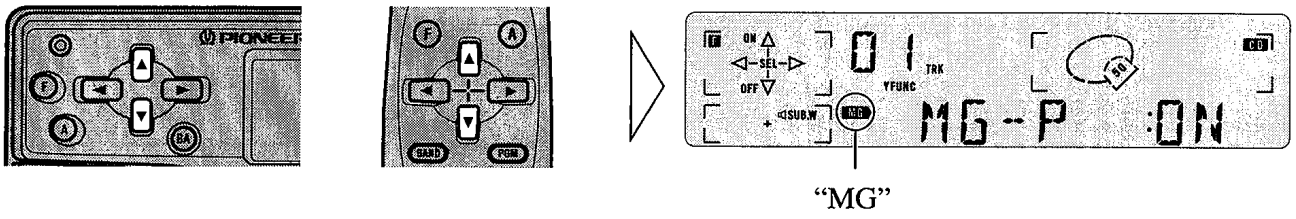
2. Select the desired Music Group.



Note:

- At first, the group of the disc playing is displayed. If the disc playing does not belong to a group, "NO GROUP" is displayed.

3. Switch music group playback ON or OFF.



"MG"

To cancel the Function Menu, press the BAND button.

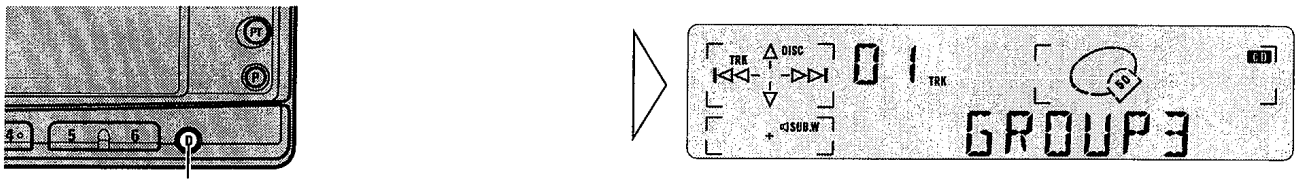
Note:

- If there are no discs registered in the selected group, "MG EMPTY" is displayed.

■ Displaying Music Group

You can display the Music Group of the disc playing.

• Select the Music Group display.



Each press changes the Display ...

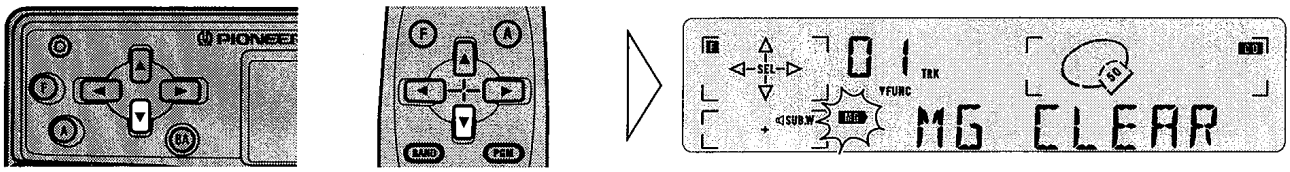
Each press of the DISP/CLOCK button changes the display in the following order:
Playback mode (Elapsed play time) → Disc Title → Music Group

Note:

- During normal playback in the playback mode display, the elapsed play time is displayed.
- When playing a disc that doesn't belong to a group, if you select Music Group display, "NO GROUP" flashes for 8 seconds, and then the display goes blank.

■ Deleting a disc from a music group

1. **Play the disc you want to delete from a group.**
2. **Select the Music Group Input mode (MG IN) in the Detailed Setting Menu.**
3. **Delete the disc from the group.**



To cancel the Detailed Setting Menu, press the BAND button.

Note:

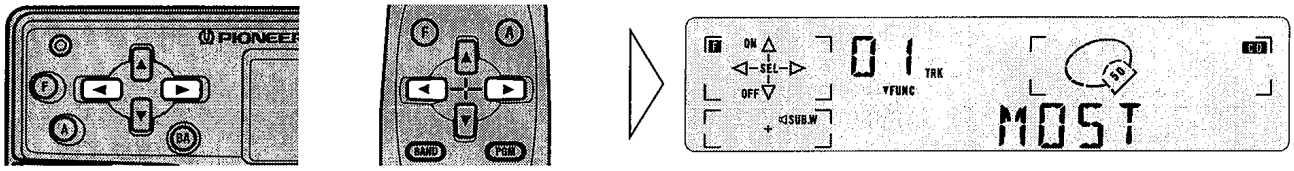
- During music group playback, if you have deleted the disc currently playing from the group, the next disc in the group is played. If all discs in the same group have been deleted, "NO GROUP" is displayed.

Frequency Play (for 50-Disc type only)

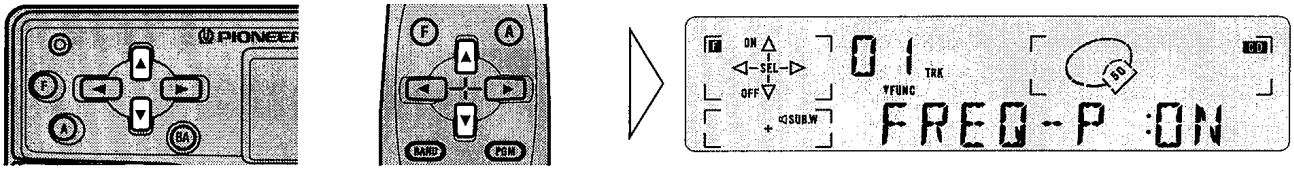
The Frequency Play Function plays discs in order, from the most frequently played disc to the least frequently played disc, or vice versa.

1. **Select the Frequency Playback mode (FREQ-P) in the Function Menu.**
2. **Select the desired play order.**

For play of discs in order starting with the most frequently played disc, select "MOST". For play of discs in order starting with the least frequently played disc, select "LEAST".



3. **Switch Frequency playback ON or OFF.**



To cancel the Function Menu, press the BAND button.

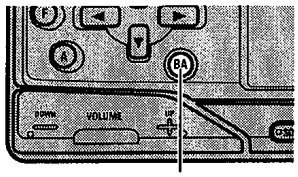
Note:

- During Frequency Playback, pressing the ▲ or ▼ button changes to the previous or next disc in the frequency order.

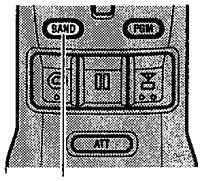
Ejecting a Single Disc (for 50-Disc type only)

This function lets you eject discs one at a time from a 50-Disc multi-CD player .

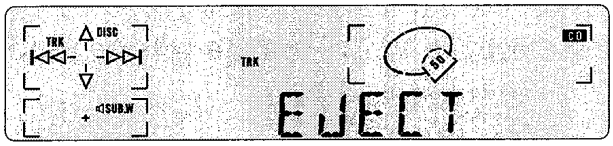
1. **Play the disc you want to eject.**
2. **Move the disc to the extra tray.**



Hold for 2 seconds



Hold for 2 seconds



3. **Remove the disc from the extra tray.**

(Refer to the 50-Disc type multi-CD player's owner's manual.)

Note:

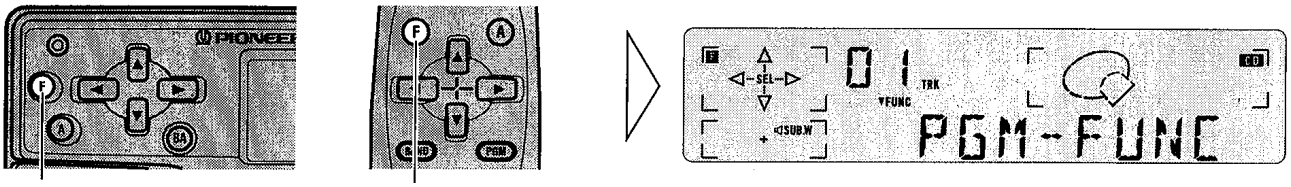
- This function does not operate if a disc is already loaded in the extra tray.

Using the PGM Button

In the Function Menu, you can memorize the Pause (PAUSE), Repeat (REPEAT), RANDOM (RANDOM), Disc Title List (LIST) and ITS (ITS) function in the PGM button.
Initially, PAUSE is memorized in the PGM button.

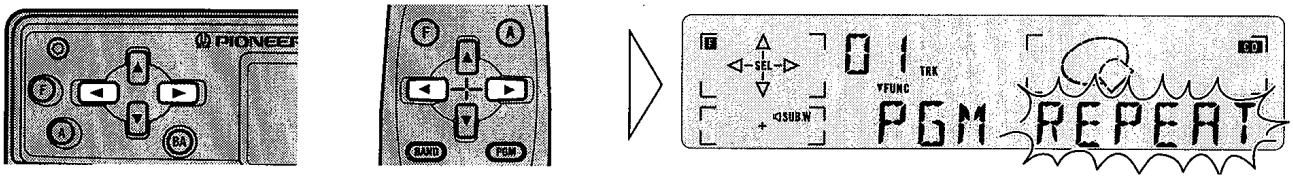
■ Setting the PGM Button

1. Select the PGM button setting mode.

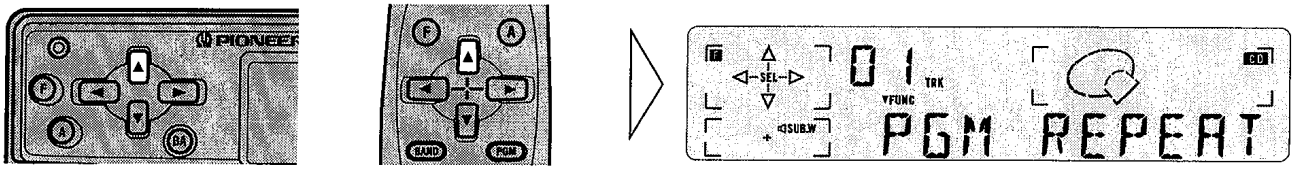


Hold for 2 seconds Hold for 2 seconds

2. Select the function you want to memorize in the PGM button.



3. Memorize the function in the PGM button.

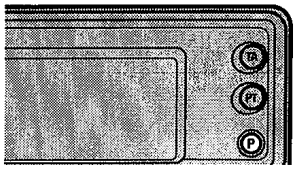


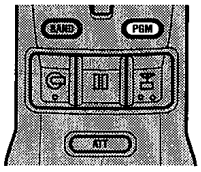
To cancel the PGM button setting mode, press the BAND button.

■ Using the PGM Button

The PGM button operates in a different way depending on the function programmed (memorized).

- **Use the PGM button.**

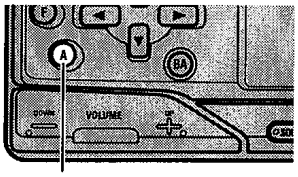




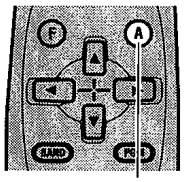
Function	Press	Hold for 2 seconds
PAUSE	ON/OFF	——
REPEAT	Selecting the mode	——
RANDOM	ON/OFF	——
LIST	Enter the LIST mode	——
ITS	ITS Programming	ON/OFF

Entering the Audio Menu

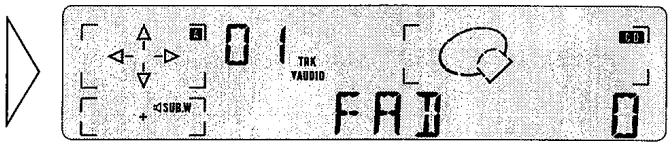
- **Select the mode you want to adjust in Audio Menu.**



Each press changes the Mode ...



Each press changes the Mode ...



Each press of the AUDIO button selects the mode in the following order:
FAD → BAS → MID → TRE → LOUD → SUB.W* → (80HZ 0)*
→ FIE → SLA

* You cannot select the "SUB.W" and "80Hz 0" modes when a DSP (except the Hide-away DSP) is connected to this product.

To cancel the Audio Menu, press the BAND button.

Note:

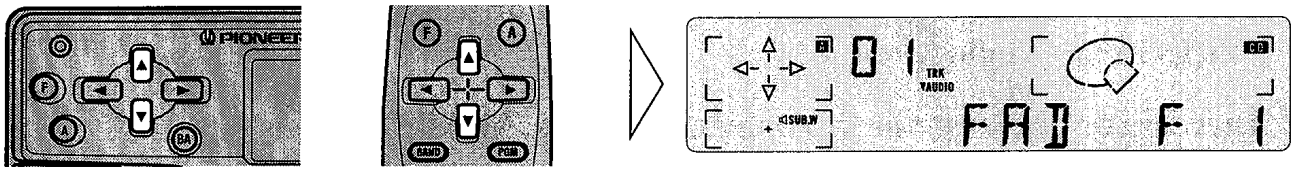
- You can select the "80HZ 0" mode only when sub-woofer output is switched ON in the SUB.W mode.
- After entering the Audio Menu, if you do not perform an operation which 30 seconds, the Audio Menu is automatically canceled.

Balance Adjustment

This function allows you to select a Fader/Balance setting that provides ideal listening conditions in all occupied seats.

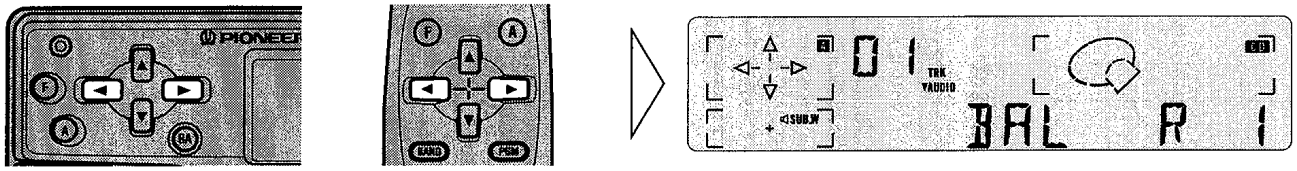
1. **Select the Fader/Balance mode (FAD) in the Audio Menu.**

2. **Shift the balance progressively to the front or rear speakers.**



"FAD F15" – "FAD R15" is displayed as it moves from front to rear.

3. **Shift the balance to the left or right speaker, respectively.**



"BAL L9" – "BAL R9" is displayed as it moves from left to right.

To cancel the Audio Menu, press the BAND button.

Note:

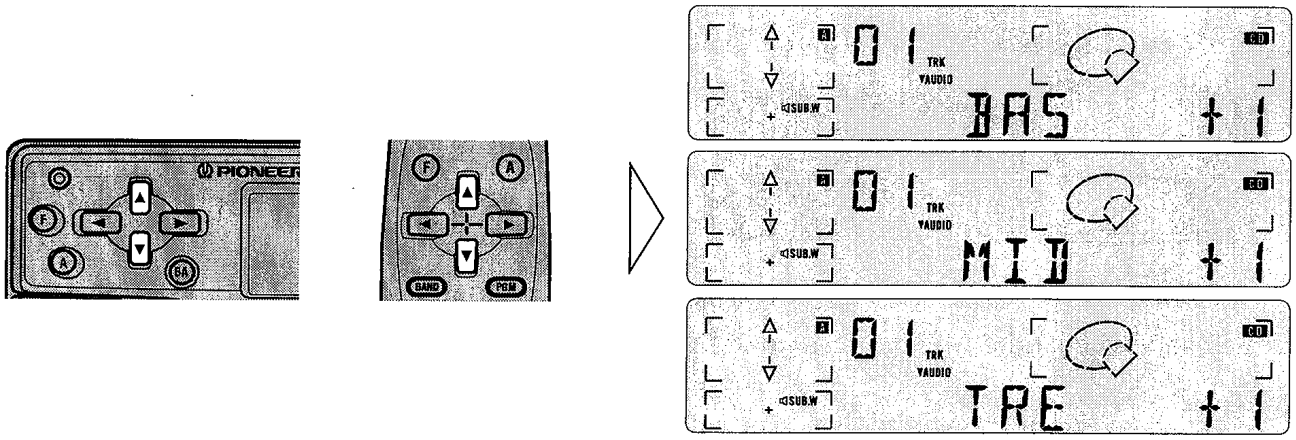
- "FAD 0" is the proper setting when 2 speakers are in use.
- You cannot shift the balance progressively to the front or rear speakers when a DSP (except the Hide-away DSP) is connected to this product.

Bass/Middle/Treble Adjustment

This product is equipped with three tone adjustment modes, the Bass (BAS), Middle (MID) and Treble (TRE) modes. It is possible to select a different tone adjustment setting for each source.The built-in CD player and multi-CD player are set to the same tone adjustment setting automatically.

1. **Select bass mode (BAS), middle mode (MID) or treble mode (TRE) in the Audio Menu.**

2. **Increase or decrease the intensity of the Bass, Middle or Treble, whichever is selected.**



The display shows "+6" – "–6".

3. **Repeat steps 1–2 above for the other Bass, Middle or Treble Adjustment.**

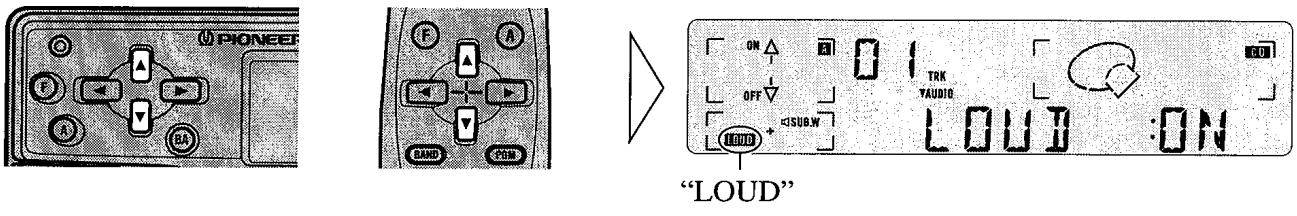
To cancel the Audio Menu, press the BAND button.

Loudness Adjustment

The Loudness function compensates for deficiencies in the low and high sound ranges at low volume.

1. **Select the Loudness mode (LOUD) in the Audio Menu.**

2. **Switch the Loudness function ON or OFF.**



"LOUD"

To cancel the Audio Menu, press the BAND button.

Using a Sub-woofer

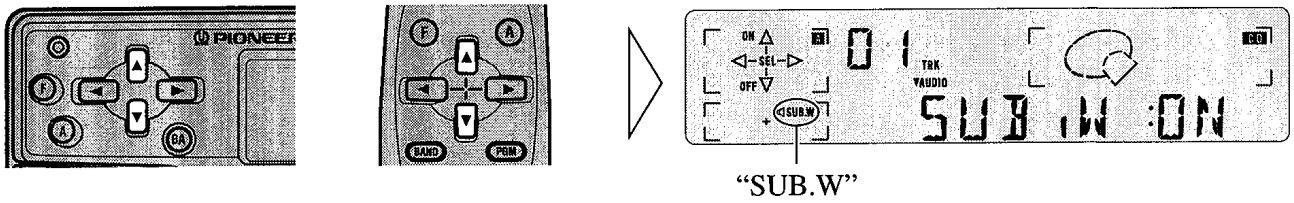
■ Sub-woofer Output

This product is equipped with a sub-woofer output which can be switched ON or OFF. When the sub-woofer is connected to a RCA cord with a green label (REAR OUTPUT or SUB-WOOFER OUTPUT), be sure to switch sub-woofer output ON. Initially sub-woofer output is ON.

The Sub-woofer output phase can be switched between normal, or 0° ("PHASE :NOR"), and reverse, or 180° ("PHASE :REV"). 0° is the default phase.

1. Select the sub-woofer ON/OFF mode (SUB.W) in the Audio Menu.

2. Switch the sub-woofer output ON or OFF.

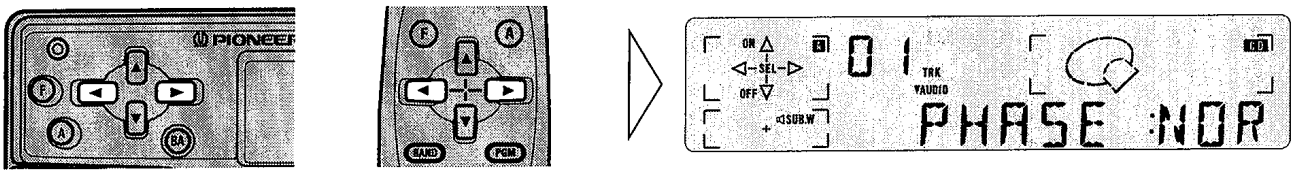


"SUB.W"

Note:

- When the sub-woofer output is OFF, you cannot change the phase of sub-woofer output.

3. Change the phase of sub-woofer output.



To cancel the Audio Menu, press the BAND button.

Note:

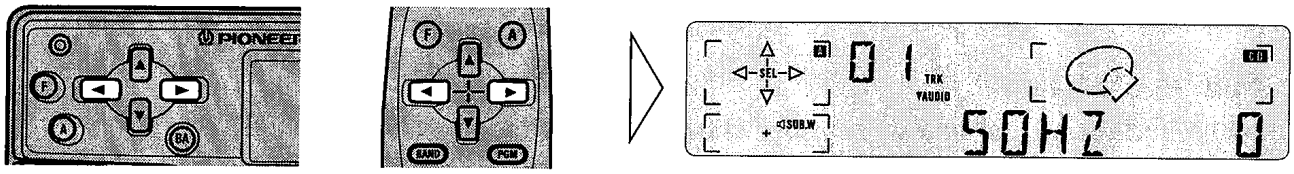
- Select the OFF setting when you do not want the sub-woofer to operate.
- When a rear speaker is connected to a RCA cord with a green label (REAR OUTPUT or SUB-WOOFER OUTPUT), be sure to switch sub-woofer output OFF.

■ Sub-woofer Setting Adjustment

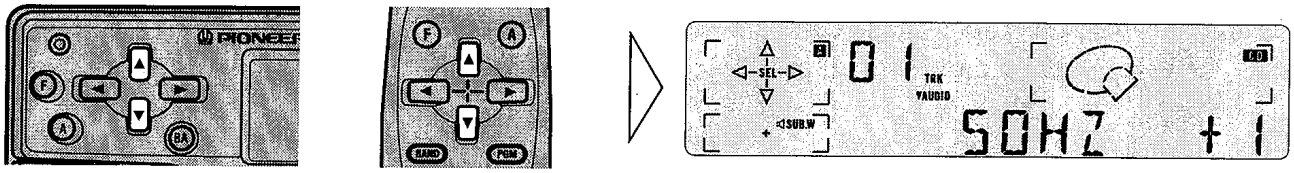
When the sub-woofer output is ON, you can adjust the cut-off frequency and the output level of sub-woofer.

1. Select the sub-woofer setting mode (80HZ 0) in the Audio Menu.

2. Select the frequency to 50 Hz, 80 Hz or 125 Hz.



3. Increase or decrease the output level.



The display shows "+6" – "–6".

To cancel the Audio Menu, press the BAND button.

Note:

- You can select the sub-woofer setting mode only when sub-woofer output is switched ON in the sub-woofer ON/OFF mode.

Using the F.I.E. Function

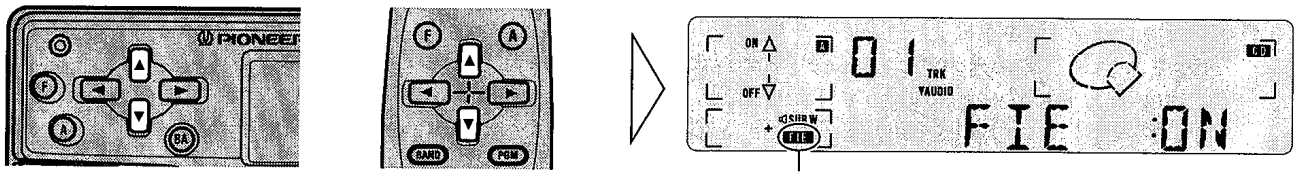
The F.I.E. (Front Image Enhancer) function is a simple method of enhancing front imaging by cutting mid- and high-range frequency output from the rear speakers, limiting their output to low-range frequencies.

Precaution:

- When the F.I.E. function is deactivated, the rear speakers output sound on all frequencies, not only bass sounds. Reduce the volume before disengaging F.I.E. to prevent a sudden increase in volume.

1. Select the F.I.E. mode (FIE) in the Audio Menu.

2. Switch the F.I.E. function ON or OFF.



"FIE"

To cancel the Audio Menu, press the BAND button.

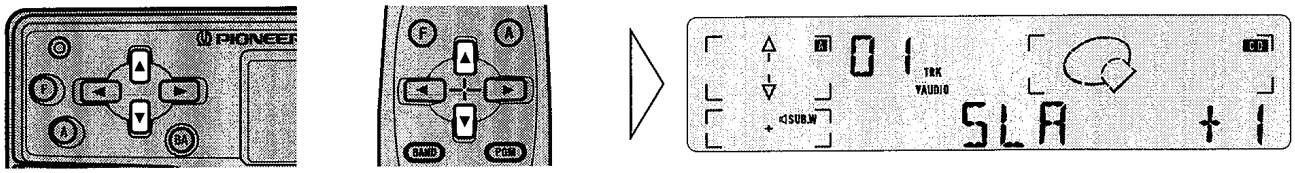
Note:

- After switching the F.I.E. function ON, adjust the front and rear speakers volumes selecting the FAD mode in the Audio Menu for better balanced listening.
- Set F.I.E. function OFF when using 2 speaker system.

Source Level Adjustment (SLA)

The SLA function prevents radical leaps in volume when switching between sources. Settings are based on the FM volume, which remains unchanged. (Since the FM volume is the control, SLA is not possible in the FM modes.)
The MW/LW, CD and AUX levels can all be adjusted.
The built-in CD player and multi-CD player are set to the same tone adjustment setting automatically.

1. **Compare the FM volume with the volume of the other source. (ex. Built-in CD player.)**
2. **Select the SLA mode (SLA) in the Audio Menu.**
3. **Increase or decrease the level.**



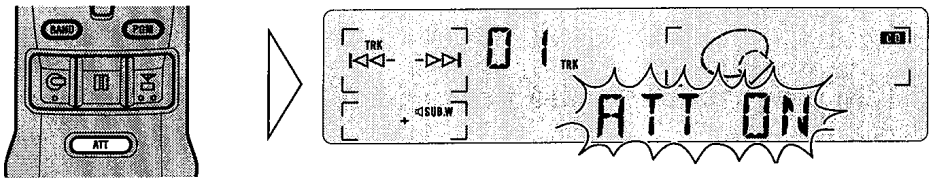
The display shows "+4" – "–4".

To cancel the Audio Menu, press the BAND button.

Volume Attenuator

The attenuator reduces the volume instantly.

- **Cut the volume by about 90%.**



Repeat the preceding operation to return to previous volume.

If the (+) or (–) button is used to cancel the Attenuator mode, the sound will resume at a lower volume than before.

Detaching and Replacing the Front Panel

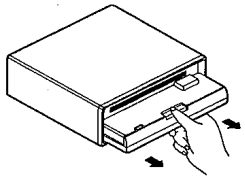
Theft Protection

The front panel of the main body is detachable to discourage theft.

■ Detaching the front panel

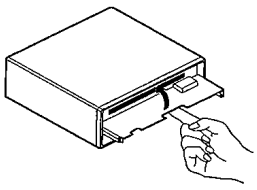
1. Open the front panel.

2. Grip the corrugated release section and pull the front panel gently outward.

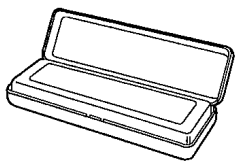


Take care not to grip it tightly or drop it.

3. Close the inner cover.

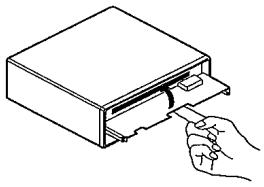


4. Use the protective case provided to store/carry the detached front panel.

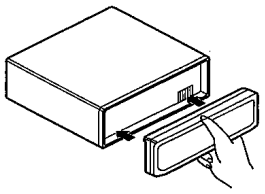


■ Replacing the Front Panel

1. Make sure the inner cover is closed.



2 Replace the front panel by clipping it into place.



Precaution:

- Never use force or grip the display tightly when removing or replacing the front panel.
- Avoid subjecting the front panel to excessive shocks.
- Keep the front panel out of direct sunlight and high temperatures.

■ Warning Tone

If the front panel is not detached within 5 seconds after the ignition is turned off, a warning tone will sound.

Note:

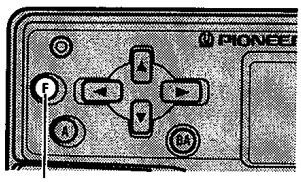
- You can cancel the warning tone function. (See page 65.)

Entering the Initial Setting Menu

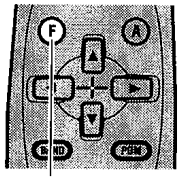
With this menu, you can perform initial settings for the product.

1. **Switch the sources OFF.**

2. **Enter the Initial Setting Menu with the sources off.**

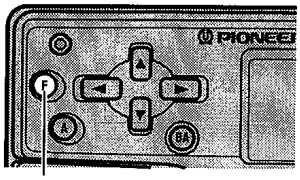


Hold for 2 seconds

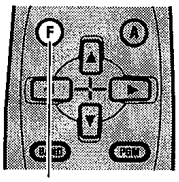


Hold for 2 seconds

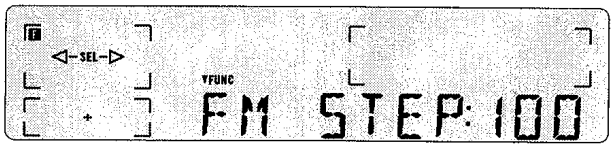
3. **Select the desired mode.**



Each press
changes the Mode ...



Each press
changes the Mode ...



Each press of the FUNCTION button selects the mode in the following order:
ALARM → FM STEP → A-PI → WARN → AUX → DIMMER → ILL.CLR

To cancel the Initial Setting Menu, press the BAND button.

Note:

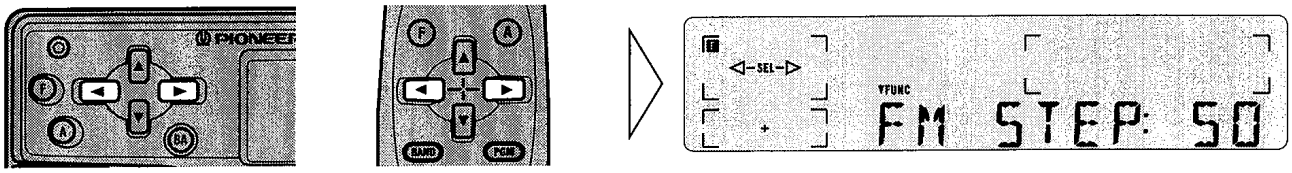
- ALARM is a new feature of the "Removable Front Panel Alert". Refer to "RFP Alert Function" for details and instructions on how to use this function.
- Holding down the FUNCTION button for 2 seconds also cancels the Initial Setting Menu.

Changing the FM Tuning Step

Normally set at 50 kHz during Seek tuning in the FM mode, the tuning step changes to 100 kHz when the AF or TA mode is activated.
It may be preferable to set tuning step to 50 kHz in the AF mode.

1. **Select the FM tuning step mode (FM STEP) in the Initial Setting Menu.**

2. **Select the desired tuning step.**



To cancel the Initial Setting Menu, press the BAND button.

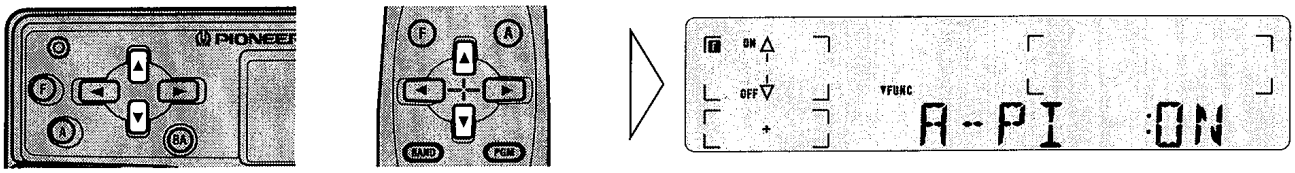
Note:
- The tuning step remains set at 50 kHz during Manual tuning.
- The tuning step returns to 100 kHz if the battery is temporarily disconnected.

Switching the Auto PI Seek

During Preset Station PI Seek operation, you can switch the Auto PI Seek function ON/OFF. (Refer to "PI Seek Function" on page 19.)

1. **Select the Auto PI Seek mode (A-PI) in the Initial Setting Menu.**

2. **Switch the Auto PI Seek ON or OFF.**



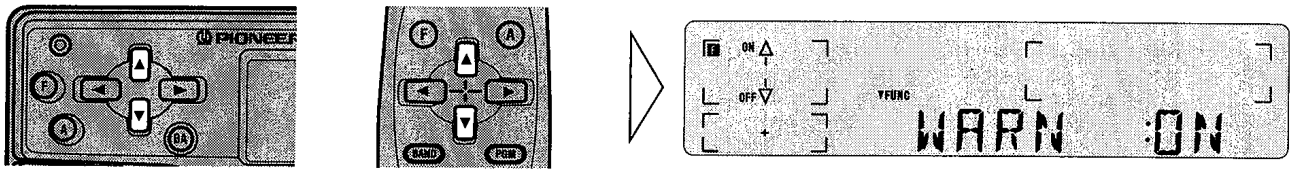
To cancel the Initial Setting Menu, press the BAND button.

Setting the Warning Tone

You can switch the Warning Tone function ON/OFF. (Refer to "Warning Tone" on page 62.)

1. **Select the Warning Tone mode (WARN) in the Initial Setting Menu.**

2. **Switch the Warning Tone ON or OFF.**



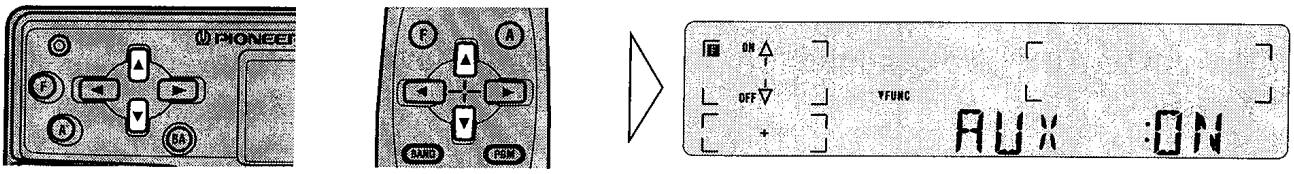
To cancel the Initial Setting Menu, press the BAND button.

Switching the AUX Mode

It is possible to use auxiliary (AUX) equipment with this product.
Activate the AUX mode when using external equipment with this product.

1. **Select the AUX Setting mode (AUX) in the Initial Setting Menu.**

2. **Switch the AUX mode ON or OFF.**



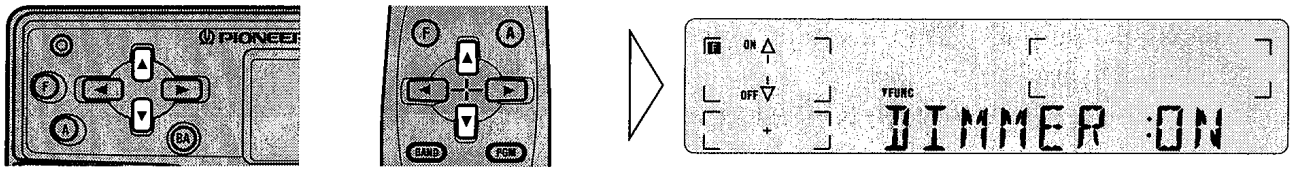
To cancel the Initial Setting Menu, press the BAND button.

Setting the Dimmer

To enable this product's display from being too bright at night, when the vehicle's head lights are turned ON the display is dimmed. You can switch this function ON/OFF.

1. **Select the Dimmer mode (DIMMER) in the Initial Setting Menu.**

2. **Switch the Dimmer ON or OFF.**



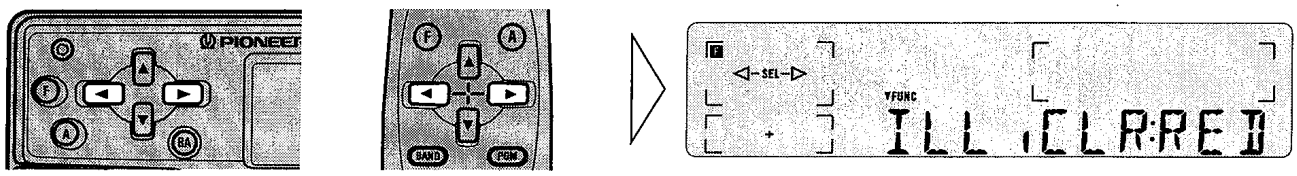
To cancel the Initial Setting Menu, press the BAND button.

Selecting the Illumination Color

This product is equipped with two illumination colors, green and red. You can select the desired illumination color.

1. **Select the Illumination Color mode (ILL.CLR) in the Initial Setting Menu.**

2. **Select the desired illumination color.**



To cancel the Initial Setting Menu, press the BAND button.

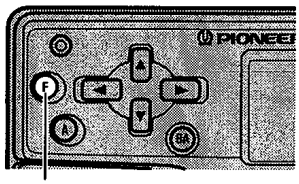
RFP Alert Function

In addition to the Removable Front Panel of this product. Pioneer has incorporated a new feature **"Removable Front Panel Alert"**. This feature is designed to protect your new Pioneer car stereo as well as your vehicle contents.

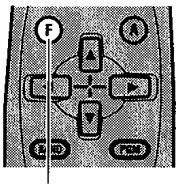
Activating the RFP Alert Feature

Pioneer has developed a menu display that allows you to set-up your RFP Alert to meet your personal needs. By scrolling through this menu it is possible to select your own "Entry Delay Time", "Speaker Output Volume", "Selectable Output", "Door System Type", "Ignition Key Disarm" and "Remote Disarm".
Initially from the factory the RFP Alert feature is not activated.

1. Select the RFP Alert Feature ON/OFF mode (ALARM) with the sources OFF.

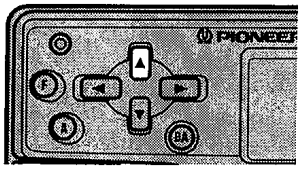


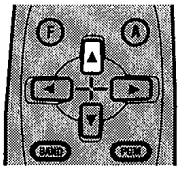
Hold for 2 seconds



Hold for 2 seconds

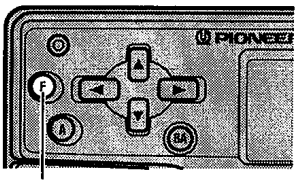
2. Activate the RFP Alert Feature.



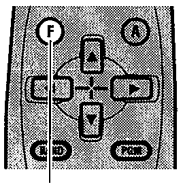


Press the ▼ button to deactivate the RFP Alert Feature.

3. Enter the RFP Alert Setting Menu.



Hold for 2 seconds

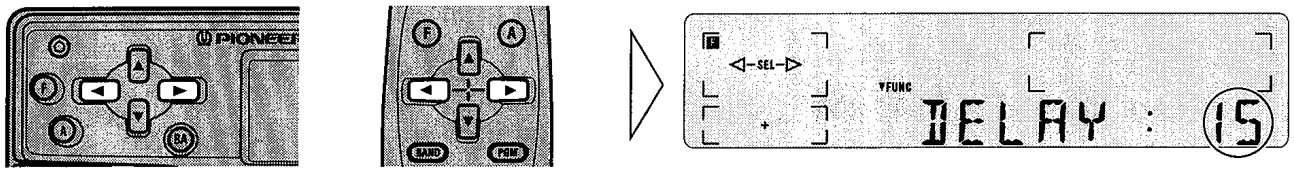


Hold for 2 seconds

Setting Entry Delay Time

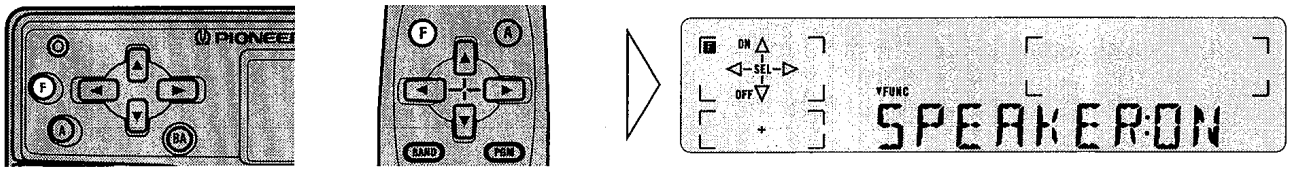
Initially the "Entry Delay Time" is set to 15 seconds. The "Entry Delay Time" can be adjusted to be 0, 5, 15, 30, 45 or 60 seconds.

1. Decrease or increase the "Entry Delay Time".



Display shows 0, 5, 15, 30, 45, or 60.

2. Advance to next selection.



Activating Internal Speaker ON/OFF

This feature allows you to select whether or not the speaker output is sounded when the "RFP Alert" is triggered. Initially from the factory the speaker output is activated. Toggling between ▲, ▼ buttons allows you to deactivate or activate the "Internal Speaker". If you switch the speaker output OFF, you can not change the "TEST MODE".

■ Speaker Volume Output Adjustment

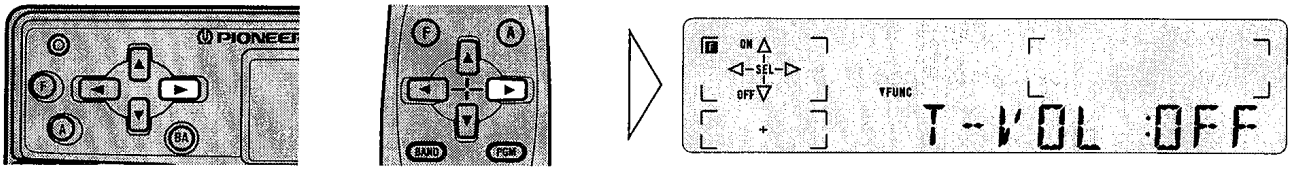
If the "Internal Speaker Output" has been selected then it is possible to adjust the volume of the speaker output for when the Alert is triggered. To adjust the volume you must engage the "TEST MODE".

Note:

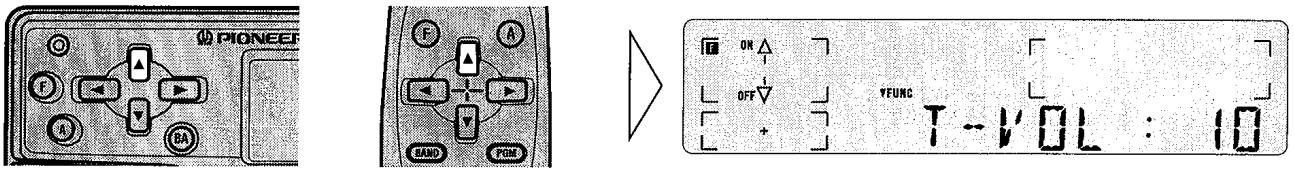
- If the "Internal Speaker Output" is turned OFF, then this menu will not appear.

RFP Alert Function

1. **Engage the "TEST MODE".**

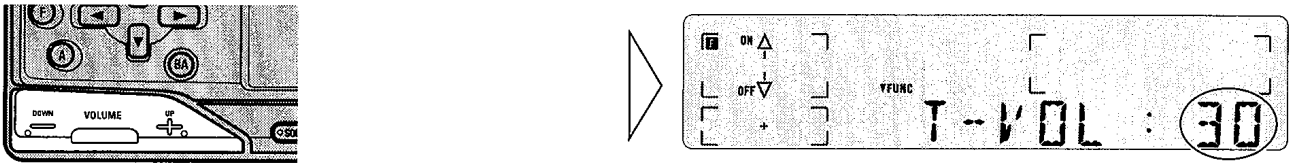


2. **Activate the "TEST MODE".**



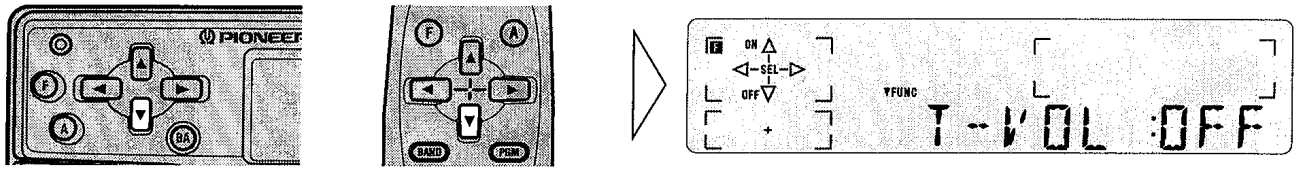
In this mode the speakers will sound.

3. **Decrease or increase the volume.**

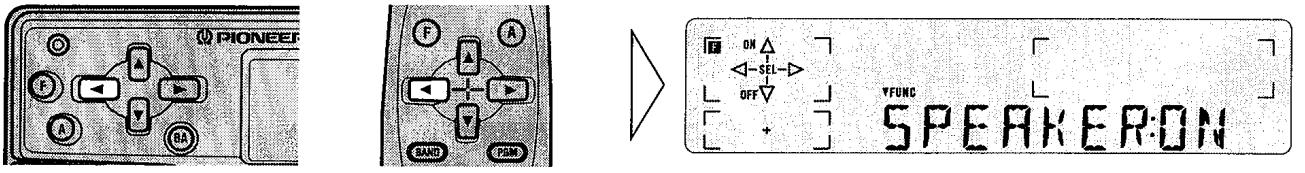


Display shows 10 – 30.

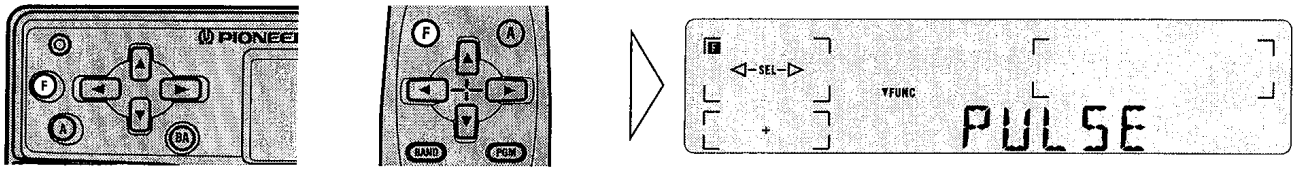
4. **After selecting your preferred volume setting, deactivate the "TEST MODE".**



5. **Cancel the "TEST MODE".**



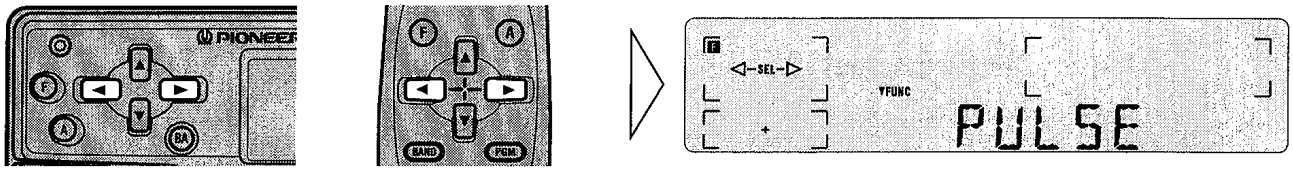
6. **Advance to next selection.**



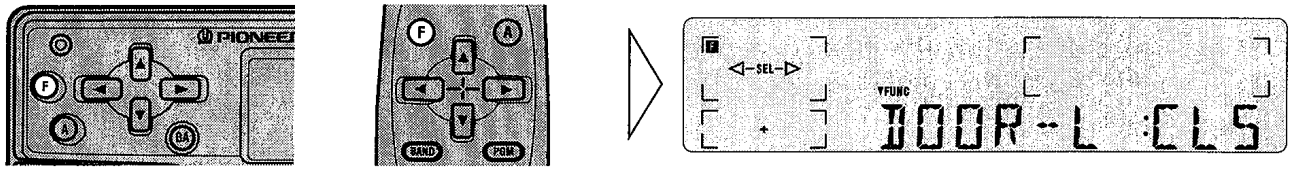
Setting the Selectable Output (Pulse/Constant)

This mode enables you to select a "Constant" output or "Pulsed" output. When connecting a Siren the "Constant" output should be selected. When connecting the horn or lights the "Pulsed" output should be selected.

1. Select your desired output type.



2. Advance to next selection.



Selecting Door Switching Systems

It is necessary to select the correct "Door System Type" (Negative or Positive switching) for that of your vehicle. Initially, the system is set for vehicles with the grounding type (Negative switching).
Select the correct "Door system type" of your vehicle from below.

■ Vehicles to select "DOOR-L :CLS"

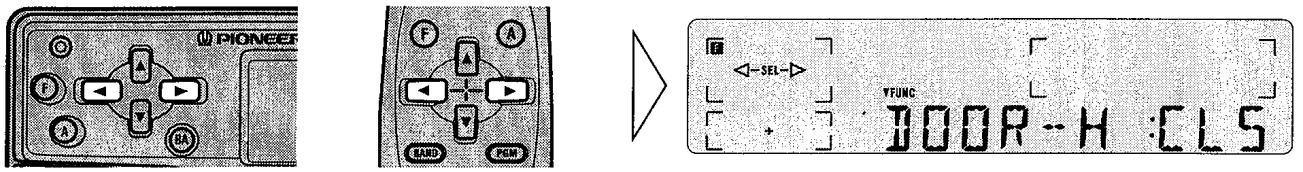
EUROPEAN, JAPANESE, GM, CHRYSLER

■ Vehicles to select "DOOR-H :CLS"

JAGUAR, MERCEDES*, FORD, etc

* Some Models Only.

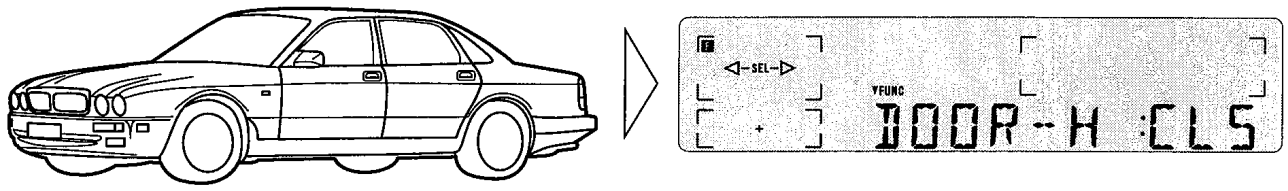
- **Select "DOOR-L :CLS" or "DOOR-H :CLS" for the correct door system type.**



■ Door System Confirmation

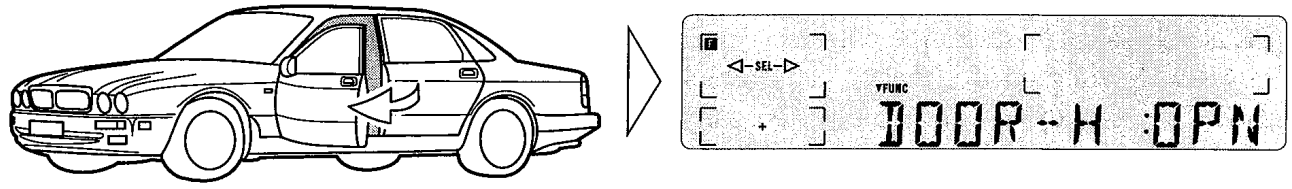
The door system confirmation feature was incorporated to ensure that the correct door system type has been selected. (eg. Set to "DOOR-H :CLS" for JAGUAR vehicles.)

1. First, close all the doors. If the correct door system type has been selected then the Display will show "DOOR-H :CLS".

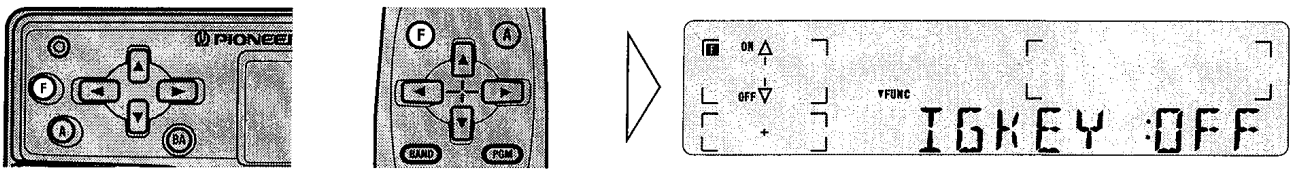


If not, select the alternative door system type by pressing the ◄ or ► button. Lastly, confirm each door triggers the Alert by opening and closing each door.

2. As the door is opened the display should change accordingly ("DOOR-H :CLS" – "DOOR-H :OPN").



3. Advance to next selection.



Ignition Key Disarm

You can disarm "RFP Alert" with the ignition key if you have forgotten the Removable Front Panel.
The method for disarming "RFP Alert" with the ignition key differs depending on whether this function is switched ON or OFF.

■ If this function is "ON" or "OFF":

The "RFP Alert" can be disarmed if the Removable Front Panel is reattached within the "Entry Delay Time".

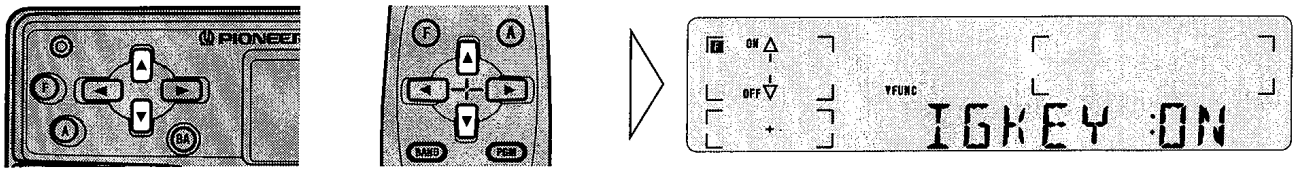
■ If this function is "ON":

The "RFP Alert" can be disarmed if the ignition key is inserted in the ignition within the "Entry Delay Time", then the key is turned from "OFF" to "ON" 5 times within 1 minute.

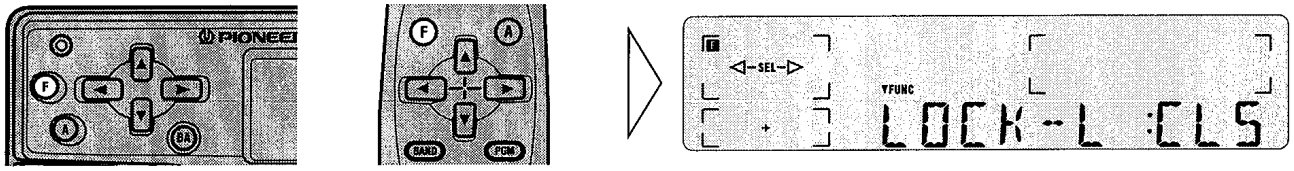
■ If this function is "OFF":

The "RFP Alert" can be disarmed if the ignition key is inserted in the ignition and turned from "OFF" position to the "ON" within the "Entry Delay Time".

1. Switch the Ignition Key Disarm ON or OFF.



2. Advance to next selection.



Central Door Lock Systems

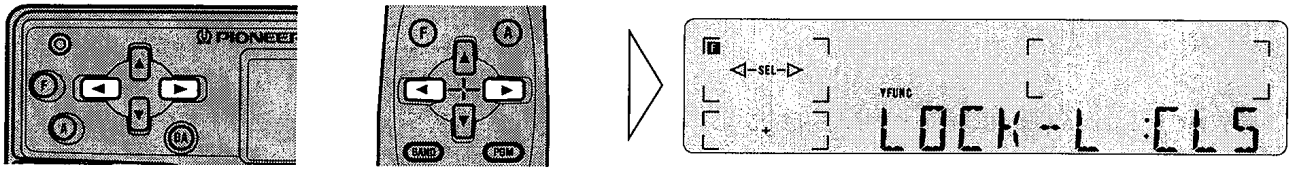
The RFP Alert can be disarmed by Un-Locking the doors with a remote key-less entry system. If the unit's stand-by state is disarmed, the LED's blinking speed becomes faster. (It can be understood if the "RFP Alert" has been disarmed by the change in the LED's blinking speed.)

Note:

- If the "RFP Alert" is disarmed by the key-less entry system, it will remain disarmed. To reset, turn the ignition on, reattach the front panel then turn the ignition to the off position and remove the front panel .
- If your vehicle is equipped with a central door lock but the glass or shock sensor is not connected, if the window is broken and the central door lock is released, this unit's RFP Alert will not operate.
- Pioneer recommends that both a shock sensor and glass sensor be installed when you are using the "Remote Disarming" feature.

■ Selecting the Door Lock Type

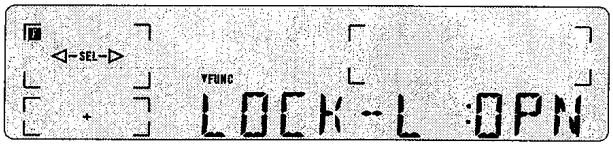
- **Select the "LOCK-L :CLS" or "LOCK-H :CLS" for the correct door lock type.**



■ Door Lock Confirmation

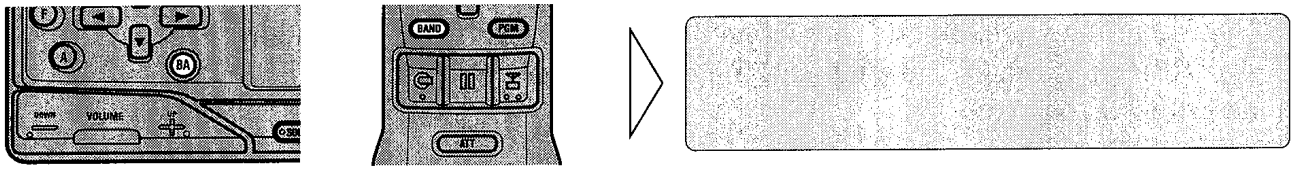
The door lock confirmation feature was incorporated to ensure that the correct door lock type has been selected. (eg. Set to "LOCK-L :CLS".)

1. **As the doors are unlocked with central door lock system the display should flash "LOCK-L :OPN" accordingly.**



If not, select the alternative door lock type by pressing the ◄ or ► button.

2. Cancel the RFP Alert Setting Menu.



Setting of the "RFP Alert" is now complete.

Note:

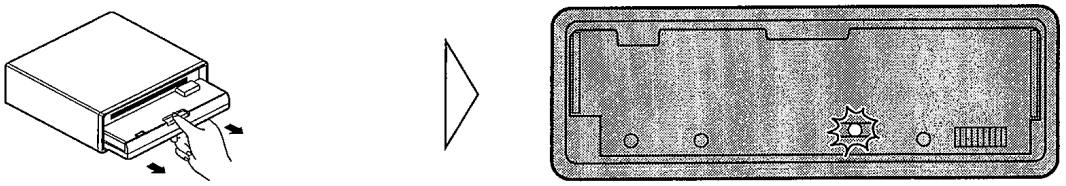
- In the case that the battery is disconnected or the RESET button is pressed, it may be necessary to reprogram the RFP Alert Menu; otherwise this setting needs to be done only once.
- When the RFP Alert is armed, you cannot disarm it by pressing the RESET button.

Operation of "RFP Alert"

Providing the installation and setting of the "RFP Alert Setting Menu" has been performed correctly, operation of the "RFP Alert" is very simple.

Arming Alert

To arm your Alert simply turn off the ignition and detach the front panel, as described on page 61. After detaching the front panel the "RFP Alert" will automatically arm itself after 30 seconds, providing all of the doors are closed. If after 30 seconds, a door still remains open the RFP Alert will not arm until the last door has been closed. After closing all of the doors, ensure that they are securely locked. The LED indicator on the head unit will flash as a visual deterrent. Your vehicle is now protected by your "RFP Alert".



Disarming Alert

Upon entering your vehicle, and within the "Entry Delay Time" set within the "RFP Alert Menu", attach your Pioneer Removable Front Panel as described on page 62.

■ If you have forgotten the Removable Front Panel:

If the "Ignition Key Disarm" is "ON", insert the ignition key in the ignition within the "Entry Delay Time", then turn the key from "OFF" to "ON" 5 times within 1 minute.
If the "Ignition Key Disarm" is "OFF", insert the ignition key in the ignition and turn the key from "OFF" to "ON" within the "Entry Delay Time".

Entry Detection

If the "RFP Alert" was not disarmed in accordance with "Disarming Alert", the "RFP Alert" will be triggered. The "RFP Alert" will sound for 60 seconds and will repeat 5 times if any door is left open or reopened. After the fifth time the "RFP Alert" will reset to prevent continuous sounding and prevent your battery from discharging.

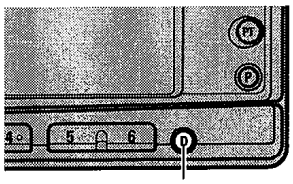
Precaution:

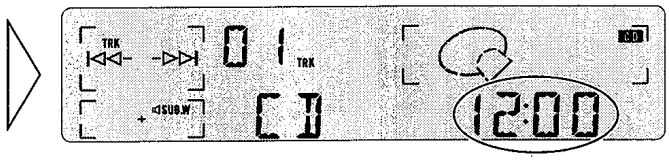
- Upon returning to your vehicle and before opening any doors, check to see if the LED indicator is still flashing. If the LED is no longer flashing, it indicates that the Alert has sounded. Disarming, as described above, is still necessary.

Time Display/Setting

■ Displaying the time

- **To turn the time display ON with the Source ON.**



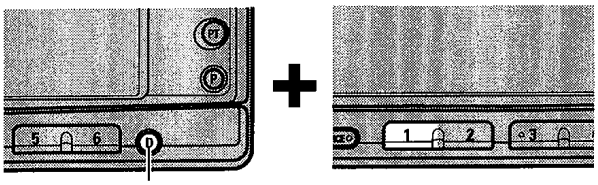


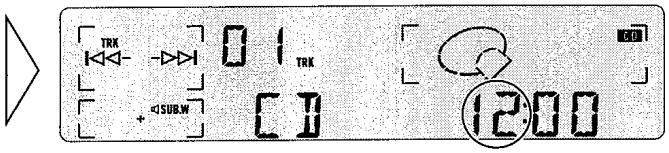
Hold for 2 seconds

The time display disappears temporarily when you perform another operation, but the time indication returns to the display after 25 seconds.

■ Setting the Hours

- **While holding down the DISP/CLOCK button for at least 2 seconds, press button 1 to set the hour.**

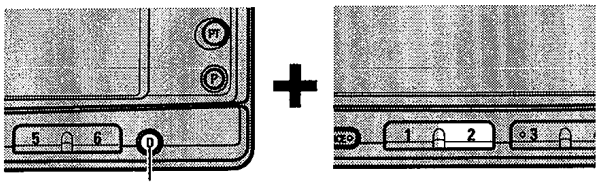


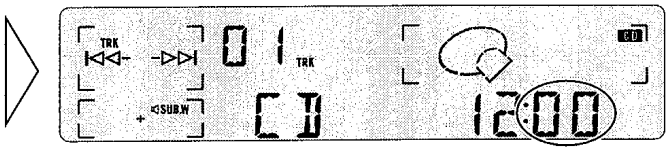


Hold for 2 seconds

■ Setting the Minutes

- **While holding down the DISP/CLOCK button for at least 2 seconds, press button 2 to set the minute.**





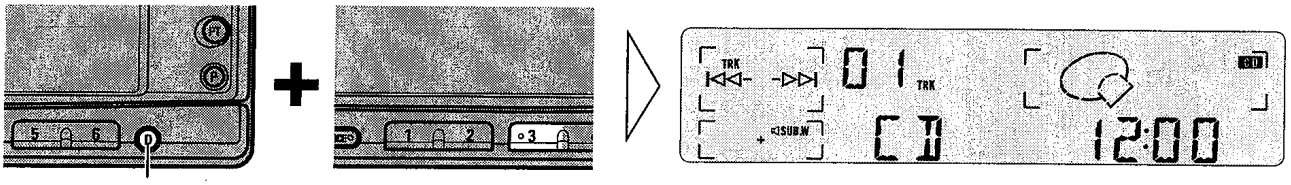
Hold for 2 seconds

When you release the DISP/CLOCK button, the second count begins from 00 seconds.

■ Synchronizing with the time announcement

- **While holding down the DISP/CLOCK button for at least 2 seconds, press button 3 to reset the minute and second indications to zero.**

  Example: When synchronizing between 11:30 and 12:29.



Hold for 2 seconds

Note:

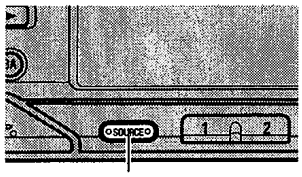
- The hour and minute can be advanced by pressing the respective buttons either consecutively or continuously.

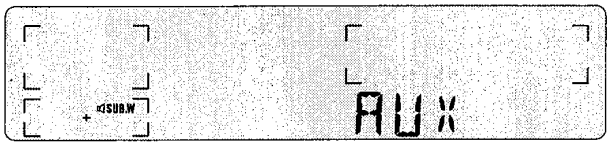
Using the AUX Mode

It is possible to use auxiliary (AUX) equipment with this product.
Activate the AUX mode when using external equipment with this product.

■ Selecting the AUX mode

- **Select AUX.**



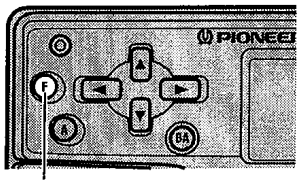


Each press
changes the Source ...

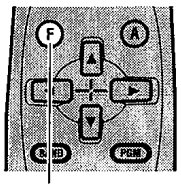
■ AUX Title Input

The display title for AUX mode can be changed.

1. Select the Aux Title Input mode in Detailed Setting Menu.



Hold for 2 seconds



Hold for 2 seconds

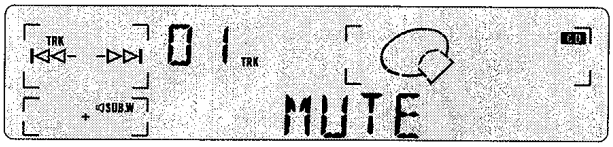
2. Input the Aux Title.

Refer to "Disc Title Input" on page 46, and perform procedures 3 to 5 in the same way.

Cellular Telephone Muting

Sound from this system is muted automatically when a call is made or received using a cellular telephone connected to this product.

- The sound is turned off, "MUTE" is displayed and no audio adjustment except volume control is possible. Operation returns to normal when the phone connection is ended.



Specifications

General

Power source ..... 14.4 V DC (10.8 – 15.1 V allowable)
Grounding system ..... Negative type
Max. current consumption ..... 10 A
Dimensions
(mounting size) ..... 178 (W) × 50 (H) × 155 (D) mm
(front face) ..... 188 (W) × 58 (H) × 18 (D) mm
Weight ..... 1.4 kg

Amplifier

Maximum power output ..... 40 W × 4
Continuous power output ..... 25 W × 4
(DIN45324, +B = 14.4 V)
Load impedance ..... 4 Ω (4 – 8 Ω allowable)
Preout output level/output impedance ..... 500 mV/1 kΩ
Sub-woofer output
Crossover frequency .....50 Hz, 80 Hz, 125 Hz
Crossover slope .....–18 dB/ect
Tone controls
(Bass) ..... ±12 dB (100 Hz)
(Middle) .....±12 dB (400 Hz)
(Treble) ..... ±12 dB (10 kHz)
Loudness contour ..... +10 dB (100 Hz), +7 dB (10 kHz)
(volume: –30 dB)

CD player

System ..... Compact disc audio system
Usable discs ..... Compact disc
Signal format ..... Sampling frequency: 44.1 kHz
Number of quantization bits: 16; linear
Frequency characteristics ..... 5 – 20,000 Hz (±1 dB)
Signal-to-noise ratio ..... 94 dB (1 kHz)(IEC-A network)
Dynamic range ..... 90 dB (1 kHz)
Number of channels ..... 2 (stereo)

FM tuner

Frequency range ..... 87.5 – 108 MHz
Usable sensitivity
..... 11 dBf (1.0 µV/75 Ω, mono, S/N: 30 dB)
50 dB quieting sensitivity .... 16 dBf (1.7 µV/75 Ω, mono)
Signal-to-noise ratio ..... 70 dB (IEC-A network)
Distortion ..... 0.3% (at 65 dBf, 1 kHz, stereo)
Frequency response ..... 30 – 15,000 Hz (±3 dB)
Stereo separation ..... 40 dB (at 65 dBf, 1 kHz)

MW tuner

Frequency range ..... 531 – 1,602 kHz
Usable sensitivity ..... 18 µV (25 dB) (S/N: 20 dB)
Selectivity ..... 50 dB (±9 kHz)

LW tuner

Frequency range ..... 153 – 281 kHz
Usable sensitivity ..... 30 µV (30 dB) (S/N: 20 dB)
Selectivity ..... 50 dB (±9 kHz)

Note:

- Specifications and the design are subject to possible modification without notice due to improvements.